KERBY, COOPER, ENGLISH, DANIS & GARVIN
COUNSELLORS AT LAW
480 MORRIS AVENUE
SUMMIT, NEW JERSEY 07901-1583
908-273-1212
FAX 908-273-8922

RUSSELL T. KERBY, JR.*
JOHN W. COOPER
JERRY FITZGERALD ENGLISH
ARTHUR H. GARVIN III
GARY F. DANIS, P.E.

RONALD J. TELL
STEVEN S. GOLDENBERG*
OF COUNSEL

RICHARD G. MOSER
1940-1992

FREDI L. PEARLMUTTER*
KRISTI BEYER BRAGG*
STEPHEN R. GELLER*
PETER W. ULICNY
DONNA M. RUSSO**
DANIEL JON KLEINMAN***
HOLLY ENGLISH****
MARGARET R. KALAS**
MARY T. ZDANOWICZ
ROBERT A. MEYERS
RICHARD F. IGLAR*

*ALSO ADMITTED IN N.Y.
**ALSO ADMITTED IN D.C.
***ALSO ADMITTED IN PA.
****ADMITTED IN MA. ONLY

January 28, 1994

FEDERAL EXPRESS

Mr. Lance R. Richman, P.G.
Emergency & Remedial Response Division
U. S. Environmental Protection Agency
26 Federal Plaza, Room 13-100
New York, NY 10278

Re - Request For Information
Diamond Alkali Superfund Site,
Passaic River Study Area

Dear Mr. Richman:

This letter refers to the Request for Information that was sent to Alliance Chemical, Inc. ("Alliance") dated December 16, 1993 with respect to the Diamond Alkali Superfund Site, Passaic River Study. Alliance has received an extension of time until January 28, 1994 to respond to the Request for Information.

Enclosed are the responses of Alliance. Alliance reserves the right to supplement its answers if additional information becomes available.

Please be advised that Roger Huth is no longer with the company and Richard E. Braun, Vice President, Operations, should be the contact for the company. Inquiries and correspondence from attorneys should be directed to this firm.

Very truly yours,

Fredi L. Pearlmutter

FLP/bjw
Enclosures
cc: Richard E. Braun
Patricia Hick (w.o. encl.)

RESPONSE OF ALLIANCE CHEMICAL, INC.
TO
REQUEST FOR INFORMATION

Re: EPA Request for Information Dated December 16, 1993 Under 42 U.S.C. §9801 et seq. Diamond Alkali Superfund Site, Passaic River Study

General Objection

Alliance Chemical, Inc. ("Alliance") is a wholly-owned subsidiary of Pfister Chemical, Inc. ("Pfister"). In 1965, Pfister acquired the stock of Alliance Chemical Co., Alliance Color & Chemical Co. and Plum Point Realty Corp., which owned and/or operated the site located at 309-327 Avenue P in Newark, NJ (the "Acquisition"). In June 1968, Alliance Chemical Co. and Plum Point Realty were merged into Alliance Color and Chemical and the name was changed to Alliance Chemical, Inc.

Alliance can and will respond to the questionnaire relating to the site located at 33 Avenue P in Newark, New Jersey for the time period subsequent to the Acquisition in 1965. Although Alliance will provide answers to the questionnaire with respect to information in its possession prior to that time period, Alliance cannot answer and is not answering on behalf of any of the predecessor corporations.

EPA describes the chemicals 2-chloro-1, 4-diethoxy-5-nitro benzene and 5-chloro-2, 4-dimetoxyaniline as hazardous substances. These substances are not defined as hazardous substances pursuant to §101.14 of CERCLA, 42 U.S.C. §9601 (14),

or §1004 of RCRA, 42 U.S.C. §6903, and therefore Alliance objects to their characterization by EPA as hazardous substances. Nevertheless, where EPA has requested information specifically with respect to those compounds, Alliance is providing information on the basis that these substances are not hazardous substances.

QUESTIONS

1) During what years did your company operate at the facility designated above?

1965-Present.

2) Does your company have a permit or permits issued pursuant to the Resource Conservation and Recovery Act, 42 U.S.C. §6901 et seq. If your company has an EPA Identification Number, state it in your answer to this question.

Alliance's EPA ID Number is: NJD 045 794 791.

3) Did your company receive, utilize, manufacture, discharge, release or dispose of any materials containing the following substances:

Subject to the General Objection, Alliance responds as follows:

2,3,7,8 tetrachlorodibenzo-p-dioxin or other dioxin compounds	no	
2-chloro-1,4-diethoxy-5-nitro benzene		yes
5-chloro-2,4-dimethoxyaniline		yes

2-chloro-1,4-diethoxy-5-nitro benzene was manufactured at Alliance from 1965 to 1985.

5-chloro-2,4-dimethoxyaniline was manufactured at Alliance from 1976 until 1987.

4a) Provide a description of the manufacturing processes for which all hazardous substances, including, but not limited to, the substances listed in response to item (3), were a product or

byproduct.

Alliance objects to this question as overly broad and unduly burdensome and seeks information which is not relevant. There may be some hazardous substances generated as by-products which are unknown.

Subject to these objections and the General Objection:

2-Chloro-1,4-diethoxy-5-nitro benzene, which is neither a CERCLA hazardous substance nor a RCRA hazardous waste, was manufactured by nitrating 2-chloro-1,4-diethoxy benzene in an aqueous system with 67% nitric acid. The product was isolated by filtration from the aqueous system and further reacted with morpholine to make a 2,5-diethoxy-4-morpholino nitro benzenene. The aqueous filtrate from the nitration was neutralized and combined with other process effluent prior to discharge. Both starting material and product are water insoluble.

5-Chloro-2,4-dimethoxyaniline, which is neither a CERCLA hazardous substance nor a RCRA hazardous waste, was manufactured from 5-nitro-1,2,4-trichlorobenzene. First, 5-chloro-2,4-dimethoxy nitrobenzene was made by the addition of a mixture of sodium hydroxide and methanol to 5-nitro-1,2,4-trichlorobenzene in methanol at reflux. The methanol was then distilled off and recovered for reuse and a mixture of sodium sulfide and sulfur (polysulfide) was added at reflux to reduce the nitro compound to the final product which, after cooling, was isolated by filtration from the aqueous reaction mixture. The filtrate was neutralized and discharged to the Passaic Valley Sewerage

Commission ("PVSC"), a POTW, along with other process effluent. The product was purified by dissolving in aqueous hydrochloric acid adding carbon for decolorization, clarifying and precipitating with caustic to a neutral pH. The filtrate was discharged to our effluent system which goes to PVSC. The carbon clarification cakes were disposed of in a chemically secure landfill with other clarification press cakes.

2-Methoxy-5-nitro benzenamine was manufactured from 1965 to around 1980 in the same manner as 5-chloro-2,4-dimethoxyaniline except the starting material was 2,4-dinitro chlorobenzene.

3,3'-Dimethoxy benzidine was manufactured from 1965 to around 1970 starting with o-nitro anisole. An alkaline zinc reduction to the hydrazo compound followed by a benzidine rearrangement produced the desired compound.

3,3'-Dimethyl benzidine was manufactured from 1965 to around 1970 starting with o-nitro toluene. An alkaline zinc reduction to the hydrazo compound followed by a benzidine rearrangement produced the desired compound.

Zinc compounds (manufactured from 1965-1970). Alliance manufactures light-sensitive diazo compounds which are stabilized as the zinc salt. 2-Chloro-1,4-diethoxy-5-nitro benzene described above is condensed with morpholine to yield 2,5-diethoxy-4-morpholino nitro benzene. This compound is then reduced in hydrochloric acid to the amine with zinc dust. The amine is then diazotized with sodium nitrite and the zinc stabilized diazo compound precipitated. The final product is

2,5-diethoxy-4-(4-morpholinyl)-benzenediazonium tetrachlorozincate (2-)(2:1). The dibutoxy compound is manufactured in the same way.

Zinc Carbonate and zinc hydroxide are currently produced as part of Alliance's zinc recovery process where the insoluble zinc compounds are precipitated from the effluent at an alkaline pH with caustic soda or soda ash.

Upon information and belief, some of these compounds may have been manufactured at this facility before Alliance acquired it.

b) During what parts of the manufacturing processes identified in the response to items (4)(a), above, were hazardous substances, including, but not limited to, the substances listed in item (3), generated? Describe the chemical composition of these hazardous substances. For each process, what amount of hazardous substances was generated per volume of finished product? Were these hazardous wastes combined with wastes from other processes? If so, wastes from what processes?

Subject to the General Objection, all of the products listed in 4a) above except for the zinc carbonate, zinc hydroxide and 2-chloro-1,4-diethoxy-5-nitro benzene were purified by dissolving the product in acid, treating the solution with activated carbon to remove color and reprecipitating the product. These carbon clarification press cakes which contained small amounts of product were collected and disposed of as solid waste. In addition, the processes which produced the 3,3'-dimethoxy benzidine and 3,3'-dimethyl benzidine produced a zinc oxide slurry as a by-product from the alkaline zinc reduction. This zinc oxide slurry was recovered and sent out to be recycled.

All carbon clarification press cakes were combined prior to

1988. After 1988, the light-sensitive diazo carbon clarification cakes were kept separate and disposed of as hazardous waste because they contained borderline quantities of cadmium which came from impurities in the zinc which was used for reduction.

See also responses to Questions 7a and 10.

5) Describe the methods of collection, storage, treatment, and disposal of all hazardous substances, including, but not limited to, the substances listed in response to item (3). Include information on the following:

Alliance Chemical objects to this question as overly broad and unduly burdensome and to the extent it requests information with respect to off-site storage, transportation and disposal, the request is not relevant. Subject to these objections and the General Objection, Alliance responds as follows:

a) If hazardous substances were taken off-site by a hauler or transporter, provide the names and addresses of the waste haulers and the disposal site locations.

From 1970 until 1977 all solid waste was hauled off-site by:

D&J Trucking
310-336 Avenue P
Newark, NJ 07105

From 1978 until the present, hazardous waste has been manifested and disposed of pursuant to applicable hazardous waste regulations. See Annual Hazardous Waste Reports and manifests attached.

From 1978 until the present all RCRA non-hazardous clarification press cakes were disposed of at chemically secure landfills by various haulers (see manifests and bills of lading). Alliance discontinued using manifests at the request of NJDEPE

for non-hazardous wastes. Haulers used were:

R&R Sanitation Service
Randolph, NJ 07869
to SCA Chemical Services
Pinewood, SC

Wayne Disposal
49350 N. Service Drive
Belleville, MI 48111

Waste Conversion
2869 Sandstone Drive
Hatfield, PA 19440

b) Describe all storage practices employed by your company with respect to all hazardous substances from the time operations commenced until the present. Include all on-site and off-site storage activities.

Alliance objects to this question to the extent it requests information with respect to off-site storage as irrelevent. Subject to this objection and the General Objection, Alliance responds as follows:

Most of the hazardous substances handled at Alliance over the years are raw materials. All hazardous substances are handled in accordance with applicable federal and state

regulations. Bulk items such as solvents, acids and alkalies are stored in diked tanks. Drum and bagged raw materials are stored in the warehouse or under an outside shed. Products that are classified as hazardous materials are stored in the warehouse, or in a cold room in the warehouse, or in a refrigerated container. Hazardous clarification press cakes or waste oil are stored in designated staging areas in the warehouse. From 1965-1970, a by-product stream of zinc oxide-water slurry recovered from the 3,3'-dimethoxy benzidine and 3,3'-dimethyl benzidine process was stored in 2 areas prior to shipping out for recycling. The first area was three agitated tanks adjacent to the manufacturing area and the second was a concrete lined above ground storage bin.

6a) For process waste waters generated at the facility which contained any hazardous substances, including, but not limited to, the substances listed in response to item (3), did the waste stream connect to a sanitary sewer and if so, during what years? Were they treated before being discharged to the sanitary sewer and if so, how? If the waste waters were not discharged to the sanitary sewer, where did they discharge and during what years?

Subject to the General Objection, Alliance responds as follows:

The process effluent waters discharged from the facility were not hazardous under RCRA because they were not a characteristic waste, nor did they come from a listed process; nor were there listed materials dumped into the effluent. Therefore, the effluent stream was not hazardous. The process effluent was connected to the PVSC sanitary sewer system from 1970 on. From 1965 to 1970, the process effluent discharged to a drainage ditch (Plum Creek) which flowed to the Passaic River.

Prior to discharge the effluent was neutralized.

b) For floor drains or other disposal drains at the facility, did the waste stream connect to a sanitary sewer and if so, during what years? Were they treated before being discharged to the sanitary sewers and if so, how? If the floor drains or other disposal drains were not discharged to the sanitary sewer, where did they discharge and during what years.

Floor drains were combined with process effluent and treated as in a) above.

c) Did any storm sewers, catch basins or lagoons exist at any time at the facility and if so during what years? If catch basins or lagoons existed, were they lined or unlined? Where was the discharge of any of these structures released and during what years? Was this discharge treated before its release and if so, how and during what years?

Since Alliance has operated the facility, storm sewers and catch basins have always existed at the facility. Most of the discharges are combined with the process effluent and treated as in a) above. An unlined lagoon existed from 1965 until 1979 and was part of the effluent system which was neutralized prior to discharge. From 1965 until 1970, as part of the effluent system, the lagoon discharged to the drainage ditch as explained in a) above. From 1970 until 1979 the lagoon discharged to the sanitary sewer system (PVSC).

d) Please supply diagrams of any waste water collection or disposal systems on the property.

See attached diagrams showing the lagoon discharging to the drainage ditch prior to 1970, and to PVSC from 1970 until 1979, and the present day system.

7a) For each hazardous substance, including, but not limited to, the substances listed in item (3), identified in the response to item (4), above, provide the total amount generated during the operation of the facility on an annual basis.

Alliance objects to this question as vague, overly broad and unduly burdensome. There may be some hazardous substances generated as by-products which are unknown. Alliance further objects to the characterization of its products as hazardous substances generated during operation of the facility.

Subject to these objections and the General Objection, Alliance responds as follows: (All numbers approximate on an average annual basis)

2-Chloro-1,4-diethoxy-5-nitro benzene		(product) '65-'85	130,000 lbs/yr
5-Chloro-2,4-dimethoxyaniline		(product) '76-'87	15,000 lbs/yr
2-Methoxy-5-nitro benzenamine		(product) '65-'85	80,000 lbs/yr
3,3'-Dimethoxy benzidine		(product) '65-'70	200,000 lbs/yr
3,3'-Dimethyl benzidine		(product) '65-'70	20,000 lbs/yr
Zinc Compounds (light-sensitiv diazos)		(product) '65-'90	105,000 lbs/yr
Zinc Compounds (Fast Color Salts)		(product) '65-'87	160,000 lbs/yr
Zinc Carbonate-zinc hydroxide	1992-on	25	tons/year
Zinc oxide slurry	1965-1971	120	tons/year
Non-hazardous press cakes	1965-on	50	tons/year
Hazardous press cakes	1989-1991	125	tons/year
Waste oil		5-10	drums/year

See attached documents.

b) Was any hazardous substance, including, but not limited to, the substances listed in response to item (3), identified in responses to item (4), above, disposed of in the Passaic River or discharged to the Passaic River? If yes, estimate the amount of material discharged to or disposed of in the Passaic River and the frequency with which this discharge or disposal occurred.

During the years 1965-1970, when Alliance's effluent, after

being neutralized, was discharged to the drainage ditch (Plum Creek) which leads to the Passaic River, there were occasional leaks and excursions in pH which resulted in acidic effluent being discharged. The amount and frequency of material discharged is unknown. After 1970, all effluent was discharged to the POTW (PVSC). See attached documentation.

8) Please identify any leaks or spills that occurred at the facility during which or as a result of which any hazardous substances, including, but not limited to, the substances listed in response to item (3), was released on the property of the facility or discharged to the Passaic River. Provide any documents or information relating to these incidents.

Subject to the General Objection, Alliance responds as follows:

During the period 1966 to 1970, there were some minor discharges and pH excursions in the neutralized effluent going to the drainage ditch (Plum Creek) which leads to the Passaic River. See the accompanying documentation. In 1970, when Alliance hooked up to PVSC, there were no further discharges of effluent to the drainage ditch.

9) Provide the date of any leaks or spills of any hazardous substances, including, but not limited to, the substances listed in response to item (3), on the property or into the waste water discharge system at the facility. Provide details of the ultimate disposal of any contaminated materials.

Subject to the General Objection, Alliance responds as follows:

In 1987, there was a small spill of No. 4 fuel oil on to the ground by the fuel oil tank. The contaminated earth was removed

and disposed of as hazardous waste. See accompanying documentation.

10) Provide a copy of each document which relates to the generation, purchase, use, handling, hauling, and/or disposal of all hazardous substances, including, but not limited to, the substances listed in response to item (3). If you are unable to provide a copy of any document, then identify the document by describing the nature of the document (e.g. letter, file memo, invoice, inventory form, billing record, hazardous waste manifest, etc.). Describe the relevant information contained therein. Identify by name and job title the person who prepared the document. If the document is not readily available, state where it is stored, maintained, or why it is unavailable.

Alliance objects to this question as overly broad and unduly burdensome and to the extent it requests information with respect to off-site handling, transportation and disposal, the request is not relevant. Subject to these objections and the General Objection, Alliance responds as follows:

See accompanying documents.

11) Provide all other documents pertaining to the results of any analyses of groundwater, surface water, ambient air, and any other environmental media performed at the facility.

Alliance objects to this question as overly broad and unduly burdensome. Subject to these objections and the General Objection, Alliance responds as follows:

Alliance has entered into a Memorandum of Agreement ("MOA") with the New Jersey Department of Environmental Protection and Energy to perform a remedial investigation at its facility. No analytical information has yet been obtained under the MOA.

See also attached documentation.

12) Provide the names of all parties who owned or operated the facility during the period from 1940 through the present. Describe the relationship, if any, of each of those parties with your company.

Upon information and belief, Alliance Chemical Co. was founded in 1947, and the company was owned by Harold Rose and Harold Coward. In 1965 Alliance Chemical Co. was acquired by Pfister Chemical, Inc. located in Ridgefield, NJ 07657. Alliance Chemical, Inc. is a wholly-owned subsidiary of Pfister Chemical, Inc. See question 13.

13) Answer the following questions regarding your business or company. In identifying a company that no longer exists, provide all the information requested, except for the agent for service of process. If your company did business under more than one name, list each name.

Corporate matters have been held to be outside the statutory authorization set forth in CERCLA or RCRA. See United States v. Charles George Trucking Co., Inc., 624 F. Supp. 1185 (D. Mass. 1986), aff'd 823 F.2d 685 (1st Cir. 1987). Accordingly, Alliance objects to this question. Subject to this objection and the General Objection, Alliance responds as follows:

a) State the legal name of your company.

Alliance Chemical, Inc.

b) State the name and address of the president or the chairman of the board, or other presiding officers of your company.

Alan R. Bendelius, President
Alliance Chemical, Inc.
Linden Avenue
Ridgefield, NJ

c) Identify the state of incorporation of your company and your company's agent for service of process in the state of incorporation and in New Jersey

State of Incorporation : New Jersey
Agent for Service of Process: Frank Spill
Alliance Chemical, Inc.
Linden Avenue
Ridgefield, NJ 07657

d) Provide a copy of your company's "Certificate of Incorporation" and any amendments thereto.

Alliance has been unable to locate a copy of its Certificate of Incorporation.

e) If your company is a subsidiary or affiliate of another company, or has subsidiaries, or is a successor to another company, identify these related companies. For each related company, describe the relationship to your company; indicate the date and manner in which each relationship was established.

Alliance Chemical, Inc. is a wholly owned subsidiary of

Pfister Chemical, inc.
P.O. Box 15
Ridgefield, NJ 07657

Pfister acquired Alliance in 1965.

f) Identify any predecessor organization and the dates that such company became part of your company.

Alliance Chemical Co.
Alliance Color & Chemical Co.
Plum Point Realty Corp.

The stock of the above three companies was acquired by Pfister Chemical, Inc. in 1965.

g) Identify any other companies which were acquired by your company or merged with your company.

In June 1968, Alliance Chemical Co. and Plum Point Realty were merged into Alliance Color and Chemical, Co. and the name was changed to Alliance Chemical, Inc.

h) Identify the date of incorporation, state of incorporation, agents for service of process in the state of incorporation and New Jersey, and nature of business activity, for each company identified the responses to items (11)(e), (f), and (g), above.

The request with respect to Pfister Chemical is not relevant to the scope of this inquiry. The information with respect to Alliance Chemical Co., Alliance Color & Chemical Co. and Plum Point Realty Corp. is unknown.

i) Identify all previous owners or parent companies, address, and the date change in ownership occurred.

Upon information and belief:

Alliance Chemical Co.
Alliance Color & Chemical Co.
Plum Point Realty Corp.

were previously owned by: Harold Rose and Harold Coward (addresses unknown).

See also answers to Question 13 (f) & (g)

14) Provide the name, address, telephone number, title and occupation of the person(s) answering this "Request for Information" and state whether such person(s) has personal knowledge of the response. In addition, identify each person who assisted in any way in responding to the "Request for Information" and specify the question to which each person assisted in responding.

The following persons have worked together in responding to all questions and have personal knowledge of the responses:

Richard E. Braun
Vice-President, Operations
Alliance Chemical, Inc.
Linden Avenue
Ridgefield, NJ 07657
(201) 945-5400

William Henning
Plant Manager
Alliance Chemical, Inc.
309-327 Avenue P
Newark, NJ 07105

CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

State of New Jersey

County of Bergen :

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document (response to EPA Request for Information) and all documents submitted herewith, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete, and that all documents submitted herewith are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I am also aware that my company is under a continuing obligation to supplement its response to EPA's Request for Information if any additional information relevant to the matters addressed in EPA's Request for Information or the company's response thereto should become known or available to the company.

RICHARD E. BRAUN
NAME (print or type)

VICE PRESIDENT OPERATIONS
TITLE (print or type)

Richard E Braun
SIGNATURE

Sworn to before me this
27 day of January , 1994

Geraldine Stempinski
Notary Public

GERALDINE M. STEMPINSKI
Notary Public of New Jersey
My Commission Expires Jan. 22, 1995

841250017

SITE NAME ALLIANCE CHEMICAL

1992 Hazardous Waste Report

Exempt Generator Response

EPA ID No. NJD045794971

INSTRUCTIONS: Complete this form if you are claiming Small quantity Generator exemption from filing the 1992 Hazardous Waste Report. Fold in thirds on the dotted line so that NJDEPE's return address is visible. Secure with tape. DO NOT STAPLE.

SITE LOCATION ADDRESS 33 Avenue P

CITY Newark STATE NJ ZIP + 4 07105

(Fold Here)

MAILING ADDRESS 33 AVENUE P

CITY NEWARK STATE NJ ZIP + 4 07105

CONTACT NAME Richard E. Braun PHONE NUMBER 201 945 5400

This site was a Small Quantity Generator in 1992 and it met the following criteria every month:

a) In every single month during 1992, the site generated or accumulated no more than 100 kg. (220 lbs.) of hazardous waste or 1 kg. (2.2 lbs.) of acute hazardous waste; and

b) In every single month during 1992, the site generated or accumulated no more than 100 kg. (220 lbs.) of spill cleanup material contaminated with hazardous waste, acute hazard ous waste, or oil spill cleanup material X725; and

c) In every single month during 1992, the site generated or accumulated no more than 1,001 gallons of waste oil with hazardous waste numbers X721, X722, X723, X724, or X726.

(Fold Here)

As a Small Quantity Generator, I am not required to report on my hazardous waste activities. I am also aware that if I am not a Small Quantity Generator, N.J.A.C. 7:26-5.4 establishes a base penalty of $500.00 (not to exceed $50,000.00) for failing to submit the annual report of manifest activities by March 1, as required by N.J.A.C. 7:26-7.4(g)1.

Richard E Braun

(signature)

FOLD AND TAPE CLOSED

BEFORE COPYING FORM, ENTER:

SITE NAME: ALLIANCE CHEMICAL, INC.

33 AVENUE P, NEWARK, NJ 07105

EPA ID NO. NJD 045 794 971

FORM **IC**

1991 Hazardous Waste Report

IDENTIFICATION AND CERTIFICATION

INSTRUCTIONS: Read the detailed instructions beginning on page 6 of the 1991 Hazardous Waste Report booklet before completing this form.

SEC. I Site name and location address. Complete items A through H. Check the box ☒ in items A, C, E, F, G, and H if same as label; if different, enter corrections. If label is absent, enter information. Instruction page 6

A. EPA ID No. Same as label ☒ or → | B. County: ESSEX

C. Site/company name Same as label ☒ or → | D. Has the site name associated with this EPA ID changed since 1989? ☐ 1 Yes ☒ 2 No

E. Street name and number. If not applicable, enter industrial park, building name or other physical location description. Same as label ☒ or →

F. City, town, village, etc. Same as label ☒ or → | G. State Same as label ☒ | H. Zip Code Same as label ☒

SEC. II Mailing address of site. Instruction page 6

A. Is the mailing address the same as the location address? ☒ 1 Yes (SKIP TO SEC. III) ☐ 2 No (GO TO BOX B)

B. Number and street name of mailing address

C. City, town, village, etc. | D. State | E. Zip Code

SEC. III Name, title, and telephone number of the person who should be contacted if questions arise regarding this report. Instruction page 6

A. Please print: Last name	First name	M.I.	B. Title	C. Telephone
BRAUN	RICHARD	E	V.P. OPERATIONS	201 945-5409 Extension

SEC. IV Enter the Standard Industrial Classification (SIC) Code that describes the principal products, group of products, produced or distributed, or the services rendered at the site's physical location. Enter more than one SIC Code only if no one industry description includes the combined activities of the site. Instruction page 7

A.	B.	C.	D.
2865	NA	NA	NA

SEC. V "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties under Section 3008 of the Resource Conservation and Recovery Act for submitting false information, including the possibility of fine and imprisonment for knowing violations."

A. Please print: Last name	First name	M.I.	B. Title
BRAUN	RICHARD	E	V.P. OPERATIONS

C. Signature: Richard E Braun | D. Date of signature: 02 (MO.) 25 (DAY) 92 (YR.)

OVER →

FORM IC

Sec. VI - Generator Status

EPA ID NO. NJD 045 794 971

A. 1991 Generator status
Instruction page 7
(CHECK ONE BOX BELOW)

- [X] 1 FRG/LQG
- [ ] 2 FRG
- [ ] 3 SQG

(SKIP TO SEC. VII)

- [ ] 4 Non generator (CONTINUE TO BOX B)

B. Reason for not generating
Page 9
(CHECK ALL THAT APPLY)

- [ ] 1 Never generated
- [ ] 2 Out of business
- [ ] 3 Only excluded or delisted waste
- [ ] 4 Only non-hazardous waste
- [ ] 5 Periodic or occasional generator
- [ ] 6 Waste minimization activity
- [ ] 7 Other (SPECIFY COMMENTS IN BOX BELOW)

Sec. VII - On-Site Waste Management Status

A. Hazardous waste permitted or interim status storage
Instruction page 10
1

B. Hazardous waste permitted or interim status treatment, disposal, or recycling
Page 10
1

C. Hazardous waste-exempt treatment, disposal, or recycling
Page 11
1

Sec. VIII - Waste Minimization Activity during 1990 or 1991

A. Did this site begin or expand a source reduction activity during 1990 or 1991?
Instruction page 11

- [X] 1 Yes
- [ ] 2 No

B. Did this site begin or expand a recycling activity during 1990 or 1991?
Page 12

- [ ] 1 Yes
- [X] 2 No

C. Did this site systematically investigate opportunities for source reduction or recycling during 1990 or 1991?
Page 12

- [ ] 1 Yes
- [X] 2 No

D. Did any of the factors listed below delay or limit this site's ability to initiate new or additional source reduction activities in 1990 or 1991?
Page 12
(CHECK YES OR NO FOR EACH ITEM)

Yes	No		
[ ] 1	[X] 2	a.	Insufficient capital to install new source reduction equipment or implement new source reduction practices
[ ] 1	[X] 2	b.	Lack of technical information on source reduction techniques applicable to the specific production processes
[ ] 1	[X] 2	c.	Source reduction is not economically feasible: cost savings in waste management or production will not recover the capital investment
[ ] 1	[X] 2	d.	Concern that product quality may decline as a result of source reduction
[ ] 1	[X] 2	e.	Technical limitations of the production processes
[ ] 1	[X] 2	f.	Permitting burdens
[ ] 1	[X] 2	g.	Source reduction previously implemented -- additional reduction does not appear to be technically feasible
[ ] 1	[X] 2	h.	Source reduction previously implemented - additional reduction does not appear to be economically feasible
[ ] 1	[X] 2	i.	Source reduction previously implemented - additional reduction does not appear to be feasible due to permitting requirements
[ ] 1	[X] 2	j.	Other (SPECIFY COMMENTS IN BOX BELOW)

E. Did any of the factors listed below delay or limit this site's ability to initiate new or additional on-site or off-site recycling activities during 1990 or 1991?
Page 12
(CHECK YES OR NO FOR EACH ITEM)

Yes	No		
[ ] 1	[X] 2	a.	Insufficient capital to install new recycling equipment or implement new recycling practice
[ ] 1	[X] 2	b.	Lack of technical information on recycling techniques applicable to this site's specific production processes
[X] 1	[ ] 2	c.	Recycling is not economically feasible: cost savings in waste management or production will not recover the capital investment
[ ] 1	[X] 2	d.	Concern that product quality may decline as a result of recycling
[ ] 1	[X] 2	e.	Requirements to manifest wastes inhibit shipments off site for recycling
[ ] 1	[X] 2	f.	Financial liability provisions inhibit shipments off site for recycling
[ ] 1	[X] 2	g.	Technical limitations of production processes inhibit shipments off site for recycling
[ ] 1	[X] 2	h.	Technical limitations of production processes inhibit on-site recycling
[ ] 1	[X] 2	i.	Permitting burdens inhibit recycling
[ ] 1	[X] 2	j.	Lack of permitted off-site recycling facilities
[ ] 1	[X] 2	k.	Unable to identify a market for recyclable materials
[ ] 1	[X] 2	l.	Recycling previously implemented -- additional recycling does not appear to be technically feasible
[ ] 1	[X] 2	m.	Recycling previously implemented -- additional recycling does not appear to be economically feasible
[ ] 1	[X] 2	n.	Recycling previously implemented - additional recycling does not appear to be feasible due to permitting requirements
[ ] 1	[X] 2	o.	Other (SPECIFY COMMENTS IN BOX BELOW)

Comments:

BEFORE COPYING FORM, ENTER:

SITE NAME: ALLIANCE CHEMICAL INC.

33 AVENUE P, NEWARK, NJ 07105

EPA ID NO. NJD045794971

1991 Hazardous Waste Report

FORM **GM**

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 13 of the 1991 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description (Instruction Page 15): Carbon presscake containing traces of cadmium

B. EPA hazardous waste code (Page 15): D006, D008, NA, NA, NA

C. State hazardous waste code (Page 15): NA, NA

D. SIC code (Page 16): 2865

E. Origin code (Page 16): 1 — System type: MIN/A

F. Source code (Page 17): A312

G. Point of measurement (Page 17): 1

H. Form code (Page 17): B404

I. RCRA-radioactive mixed (Page 17): 2

J. Reported TRI constituent (Page 16): 2

K. CAS numbers (Page 16): 1. 2. 3. 4. 5.

Sec. II

A. Quantity generated in 1990 (Instruction Page 18): 2832550.0

B. Quantity generated in 1991 (Page 18): 1246900.0

C. UOM (Page 19): 1 — Density: ☐ 1 lbs/gal ☐ 2 sg

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? (Page 19)
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE SYSTEM 1

On-site system type (Page 19): MIN/A

Quantity treated, disposed or recycled on site in 1991:

ON-SITE SYSTEM 2

On-site system type (Page 19): MIN/A

Quantity treated, disposed or recycled on site in 1991:

Sec. III

A. Was any of this waste shipped off site in 1991? (Instruction Page 20)
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility waste was shipped to (Page 20)	C. System type shipped to (Page 20)	D. Off-site availability code (Page 21)	E. Total quantity shipped in 1991 (Page 21)
Site 1	PAD085690592	MIN/A 132	1	1246000
Site 2		MIN/A		

Sec. IV

A. Did new activities in 1991 result in minimization of this waste? (Instruction Page 22)
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 22)	C. Other effects (Page 22)	D. Quantity recycled in 1991 due to new activities (Page 23)	E. Activity/production index (Page 23)	F. 1991 Source reduction quantity (Page 24)
W89 WNA WNA WNA	☐ 1 Yes ☒ 2 No	NA.	10.1	2707950.0

Comments: Sec. IV. Box B: Reduced amount of product manufactured

BEFORE COPYING FORM, ENTER:

SITE NAME : ALLIANCE CHEMICAL INC.
33 AVENUE P NEWARK, NJ 07105

EPA ID NO. NJD045794971

FORM 01

1991 Hazardous Waste Report

OFF-SITE IDENTIFICATION

INSTRUCTIONS: Read the detailed instructions on the back of this page before completing this form.

Site 1

A. EPA ID No. of off-site installation or transporter: PAD085690592

B. Name of off-site installation or transporter: Waste Conversion Inc.

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☒ Transporter
- ☒ TSDR

D. Address of off-site installation
Street: 2869 Sandstone Drive
City: Harfield State: PA Zip Code: 19440-

Site 2

A. EPA ID No. of off-site installation or transporter:

B. Name of off-site installation or transporter:

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☐ TSDR

D. Address of off-site installation
Street:
City: State: Zip Code:-

Site 3

A. EPA ID No. of off-site installation or transporter:

B. Name of off-site installation or transporter:

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☐ TSDR

D. Address of off-site installation
Street:
City: State: Zip Code:-

Site 4

A. EPA ID No. of off-site installation or transporter:

B. Name of off-site installation or transporter:

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☐ TSDR

D. Address of off-site installation
Street:
City: State: Zip Code:-

Site 5

A. EPA ID No. of off-site installation or transporter:

B. Name of off-site installation or transporter:

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☐ TSDR

D. Address of off-site installation
Street:
City: State: Zip Code:-

Comments:

Site Name ALLIANCE CHEMICAL INC.
33 AVENUE P, NEWARK, NJ 07105

EPA ID No. N J D 0 4 5 7 9 4 7 9 1

OFFICIAL USE ONLY
Ann. Fee _____
RA _____
Date _____
Rec'd By _____

1991 FEE VERIFICATION WORKSHEET

INSTRUCTIONS: Complete the below fee category information. If your site is required to submit a fee, then attach the check were indicated.

Attach check here (do not send cash)

Make Payable to: Treasurer State of New Jersey

Mail Report to: NJDEPE, Bureau of Revenue
CN417
428 East State Street
Trenton, NJ 08625-0417
Attention: Manifest Section

Fee Category

☐	No Fee	This site (company) manifested less than 1.33 tons of hazardous waste for the calendar year .
☒	$200.00	This site (company) manifested 1.33 tons or more of hazardous waste but less than 10 tons of hazardous waste during the calendar year.
☐	$300.00	This site (company) manifested 10 tons or more of hazardous waste but less than 100 tons of hazardous waste during the calendar year.
☐	$400.00	This site (company) manifested 100 tons or more of hazardous waste during the calendar year.
☐	$_____	Other, the attached check is for multiple sites as identified on the reverse side of this form.

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P. O. Box 8550
Harrisburg, PA 17105-8550

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND CHEMOTHERAPEUTIC WASTE.

Form approved.
OMB No. 2050-0039
Expires 9-30-91

ER-WM-51 REV. 11/89

17C72.RcM

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD045794971 | Manifest Document No. 1 1 5 2 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
Alliance Chemical
33 Avenue P Newark, NJ 07108

A. State Manifest Document Number PAC 3916522

B. State Gen. ID SAME

4. Generator's Phone (201) 344 2344

5. Transporter 1 Company Name: Waste Conversion Inc | 6. US EPA ID Number: PAD085690592

C. State Trans. ID NJDEP506209 | PA- AH | 0139

7. Transporter 2 Company Name | 8. US EPA ID Number

D. Transporter's Phone (215) 822 8996

E. State Trans. ID PA-

9. Designated Facility Name and Site Address
Waste Conversion Inc
2869 Sandstone Drive
Hatfield, PA 19440

10. US EPA ID Number: PAD085690592

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (215) 822 8996

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Spent Carbon Non DOT Regulated Material Activated Carbon Silica Water NA	001	DT	38180	P	NA
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

	Lab Pack	Physical State		Lab Pack	Physical State
a.		S	WS24215 (-)	c.	
b.				d.	

K. Handling Codes for Wastes Listed Above

a.	S03	c.	
b.		d.	

15. Special Handling Instructions and Additional Information: PO# A17155

Emergency Phone #
Emergency Contact:
Emergency Response Guide No.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Charles McEwan		1	2	91

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Garrett Kellinger		1	2	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
PAT OWENS		01	02	91

PAC 3916522

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

DOCUMENT NUMBER	DATE SHIPPED
PAC 3906755	4/29/91

Bureau of Waste Management
P. O. Box 8550
Harrisburg, PA 17105-8550

Form approved.
OMB No. 2050-0039
Expires 9-30-91

ER-WM-51 REV. 11/89

15633-FCI

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD045794971 | Manifest Document No. 087[illegible]5

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
Alliance Chemical
33 Avenue P Newark, NJ 07105

A. State Manifest Document Number PAC 3906755

B. State Gen. ID SAME

4. Generator's Phone (201) 344 2344

5. Transporter 1 Company Name: Waste Conversion Inc
6. US EPA ID Number: PAD085690592
C. State Trans. ID NJDEPS06209
PA- AE 01 39

7. Transporter 2 Company Name
8. US EPA ID Number
D. Transporter's Phone (215 822 8996

E. State Trans. ID PA-

9. Designated Facility Name and Site Address
Waste Conversion Inc
2869 Sandstone Drive
Batfield, PA 19440
10. US EPA ID Number: PAD085690592
F. Transporter's Phone ( )
G. State Facility's ID
H. Facility's Phone (215 822 8996

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Hazardous Waste Solid n o s ORM-E NA9189 Activated Carbon Silica Water D006 D008	001	DT	12460	P	D008 D006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

Lab Pack	Physical State	
a.	S	WS17379 (E)
b.		
c.		
d.		

K. Handling Codes for Wastes Listed Above
a. S01
b.
c.
d.

15. Special Handling Instructions and Additional Information P O # 16517
Emergency Phone # 345-5400
Emergency Contact: Richard Beaver
Emergency Response Guide No. 31

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: CHARLES McEWAN
Signature: [signature]
Month 4 Day 29 Year 91

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: GLENN D. KLINK
Signature: [signature]
Month 04 Day 29 Year 91

TRANSPORTER

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: PAT OWENS
Signature: [signature]
Month 04 Day 29 Year 91

FACILITY

PAC3906755

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

Copy 5 - TSD Facility: Mail to Generator

OMB# 2050-0024 Expires 3-31-92

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME ALLIANCE CHEMICAL INC.

33 AVENUE P NEWARK, NJ 07105

EPA ID NO. N J D 0 4 5 7 9 4 9 7 1

U.S. ENVIRONMENTAL PROTECTION AGENCY

1990 Hazardous Waste Report

FORM IC

IDENTIFICATION AND CERTIFICATION

INSTRUCTIONS: Read the detailed instructions beginning on page 7 of the 1990 Hazardous Waste Report booklet before completing this form.

SEC. I Site name and location address. Complete items A through H. Check the box ☒ in items A, B, D, E, F, G, and H if same as label; if different, enter corrections. If label is absent, enter information. Instruction page 7.

A. EPA ID No. Same as label ☐ or → N J D 0 4 5 7 9 4 9 7 1

B. Site/company name Same as label ☐ or → ALLIANCE CHEMICAL INC.

C. Has the site name associated with this EPA ID changed since 1987? ☐ 1 Yes ☒ 2 No

D. Street name and number. If not applicable, enter industrial park, building name or other physical location description. Same as label ☐ or → 33 AVENUE P

E. City, town, village, etc. Same as label ☐ or → NEWARK

F. County ESSEX

G. State Same as label ☐ N J

H. Zip Code Same as label ☐ 0 7 1 0 5 -

SEC. II Mailing address of site. Instruction page 7.

A. Is the mailing address the same as the location address? ☒ 1 Yes (SKIP TO SEC. III) ☐ 2 No. (COMPLETE SEC. II)

B. Number and street name of mailing address

C. City, town, village, etc.

D. State

E. Zip Code

SEC. III Name, title, and telephone number of the person who should be contacted if questions arise regarding this report. Instruction page 7.

A. Please print: Last name	First name	M.I.	B. Title	C. Telephone
BRAUN	RICHARD	E.	DIR. OF MANUFACTURING	2 0 1 9 4 5 - 5 4 0 0 Extension

SEC. IV Enter the Standard Industrial Classification (SIC) Code that describes the principal products, group of products, produced or distributed, or the services rendered at the site's physical location. Enter more than one SIC Code only if no one industry description includes the combined activities of the site. Instruction page 8.

A.	B.	C.	D.
2 8 6 5	N/A	N/A	N/A

SEC. V I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. Number of form pages submitted: Form IC 1 2 | Form GM 1 1 | Form WR 1 0 | Form PS 1 0

B. Please print: Last name	First name	M.I.	C. Title
Braun	Richard	E	Director of Manufacturing

D. Signature: Richard E Braun

E. Date of signature: 0 2 (MO.) 2 5 (DAY) 9 1 (YR.)

OVER →

Sec. VI — Generator Status

A. 1990 generation (CHECK ONE BOX BELOW) Instruction page 8

- ☐ 1 No (CONTINUE TO BOX B)
- ☒ 2 LQG
- ☐ 3 SQG

(SKIP TO SEC. VII)

B. Reason for not generating (CHECK ALL THAT APPLY) Page 10

- ☐ 1 Never generated
- ☐ 2 Out of business
- ☐ 3 Only excluded or delisted waste
- ☐ 4 Only non-hazardous waste
- ☐ 5 Periodic or occasional generator
- ☐ 6 Waste minimization activity
- ☐ 7 Other (SPECIFY IN COMMENTS)

Sec. VII — On-Site Waste Management Status

A. Storage Instruction page 11	B. RCRA treatment, recycling, or disposal Page 11	C. Exempt treatment, recycling, or disposal Page 12
1	1	1

Sec. VIII — Waste Minimization Activity during 1989 or 1990

A. Did this site begin or expand a source reduction activity during 1989 or 1990? Instruction page 12	B. Did this site begin or expand a recycling activity during 1989 or 1990? Page 13	C. Did this site conduct a source reduction or recycling opportunity assessment during 1989 or 1990? Page 13
☐ 1 Yes ☒ 2 No	☐ 1 Yes ☒ 2 No	☒ 1 Yes ☐ 2 No

D. What factors have limited this site from initiating new source reduction activities during 1989 or 1990? (CHECK ALL THAT APPLY) Page 13

- ☐ 01 No factors have limited new source reduction activities.
- ☐ 02 Insufficient capital to install new source reduction equipment or implement new source reduction practices.
- ☐ 03 Lack of technical information on source reduction techniques applicable to the specific production processes.
- ☒ 04 Source reduction is not economically feasible: cost savings in waste management or production will not recover the capital investment.
- ☐ 05 Concern that product quality may decline as a result of source reduction.
- ☐ 06 Technical limitations of the production processes.
- ☐ 07 Permitting burdens.
- ☐ 08 Other (SPECIFY IN COMMENTS)

E. What factors have limited this site from initiating new on-site or off-site recycling activities during 1989 or 1990? (CHECK ALL THAT APPLY) Page 13

- ☐ 01 No factors have limited new recycling activities.
- ☐ 02 Insufficient capital to install new recycling equipment or implement new recycling practices.
- ☐ 03 Lack of technical information on recycling techniques applicable to this site's specific production processes.
- ☒ 04 Recycling not economically feasible: cost savings in waste management or production will not recover the capital investment.
- ☐ 05 Concern that product quality may decline as a result of recycling.
- ☐ 06 Requirements to manifest wastes inhibit shipments off site for recycling.
- ☐ 07 Financial liability provisions inhibit shipments off site for recycling.
- ☐ 08 Technical limitations of product processes inhibit shipments off site for recycling.
- ☐ 09 Techical limitations of production processes inhibit on-site recycling.
- ☐ 10 Permitting burdens inhibit recycling.
- ☐ 11 Lack of permitted off-site recycling facilities.
- ☐ 12 Unable to identify a market for recyclable materials.
- ☐ 13 Other (SPECIFY IN COMMENTS)

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ALLIANCE CHEMICAL INC.

EPA ID NO.: NJD045794971

U.S. ENVIRONMENTAL PROTECTION AGENCY

1990 Hazardous Waste Report

FORM **GM**

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1990 Hazardous Waste Report booklet before completing this fo

Sec. I

A. Waste description — Instruction Page 15: CARBON PRESSCAKE CONTAINING TRACES OF CADMIUM

B. EPA hazardous waste code — Page 15	C. State hazardous waste code — Page 16
D006 NA NA NA	NA NA

D. SIC code — Page 16	E. Source code — Page 16	F. Form code — Page 16	G. Origin — Page 16
2865	A 32	B 404	Code 1; System type M NA

H. TRI constituent — Page 17	I. CAS numbers — Page 17
2	1. 2. 3. 4. 5.

Sec. II

A. Quantity generated in 1989 — Instruction Page 17	B. Quantity generated in 1990 — Page 17	C. UOM — Page 18	D. Density — Page 18	E. Was this waste treated, disposed or recycled on s or discharged to a sewer/POTW? — Page 18
71780	283255	1	DK . ; ☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

SYSTEM 1		SYSTEM 2	
System type — Page 18	Quantity treated, disposed or recycled in 1990 — Page 18	System type — Page 18	Quantity treated, disposed or recycled in 1990 — Page 18
M		M	

Sec. III

A. Was this waste shipped off site? — Instruction Page 19: ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility to which waste was shipped — Instruction Page 19	C. System type — Page 19	D. Total quantity shipped in 1990 — Page 19
Site 1	PAD085690592	M 132	283255
Site 2	NA	M	

Sec. IV

A. Waste minimization results in 1990 — Instruction Page 20: ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity — Page 21	C. Other effects — Page 21	D. Quantity recycled in 1990 due to new activities — Page 21	E. Activity/Production Index — Page 21	F. Source Reduction Quantity — Page 22
W W W W	☐ 1 Yes ☐ 2 No		.	

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME ALLIANCE CHEMICAL INC.

EPA ID NO. N J D 0 4 5 7 9 4 9 7 1

U.S. ENVIRONMENTAL PROTECTION AGENCY

1990 Hazardous Waste Report

FORM 01

OFF-SITE IDENTIFICATION

INSTRUCTIONS: Read the detailed instructions on the back of this page before completing this form.

Site 1

A. EPA ID No. of off-site installation or transporter: P A D 0 8 5 6 9 0 5 9 2

B. Name of off-site installation or transporter: Waste Conversion Inc.

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☒ TSDR

D. Address of off-site installation
Street: 2869 Sandstone Drive
City: Hatfield State: P A Zip Code: 1 9 6 4 0 -

Site 2

A. EPA ID No. of off-site installation or transporter:

B. Name of off-site installation or transporter:

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☐ TSDR

D. Address of off-site installation
Street:
City: State: Zip Code: -

Site 3

A. EPA ID No. of off-site installation or transporter:

B. Name of off-site installation or transporter:

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☐ TSDR

D. Address of off-site installation
Street:
City: State: Zip Code: -

Site 4

A. EPA ID No. of off-site installation or transporter:

B. Name of off-site installation or transporter:

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☐ TSDR

D. Address of off-site installation
Street:
City: State: Zip Code: -

Site 5

A. EPA ID No. of off-site installation or transporter:

B. Name of off-site installation or transporter:

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☐ TSDR

D. Address of off-site installation
Street:
City: State: Zip Code: -

Comments:

OFFICE USE ONLY
Ann. Fee _____
RA _____
Date _____
Rec'd By _____

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1990
CERTIFICATION FORM

ITEM 1 USEPA Identification (Generator) Number: NJD045794971

ITEM 2 Generator (Company) Name: ALLIANCE CHEMICAL INC.

ITEM 3 Contact Person: RICHARD E. BRAUN

ITEM 4 Phone Number: 201 945 5400

ITEM 5 Certification:

I certify that the information given in this annual report is true, accurate and complete.

Richard E. Braun (Print or type name) Richard E Braun (Signature) 2/25/91 (Date)

ITEM 6 **Place an X next to the letter that applies:**

A ____ This site (company) manifested less than 1.33 tons of hazardous waste for the calendar year 1990 (No Fee)

B ____ This site (company) manifested 1.33 tons or more of hazardous waste but less than 10 tons of hazardous waste during the calendar year 1990 (Fee $200)

C ____ This site (company) manifested 10 tons or more of hazardous waste but less than 100 tons of hazardous waste during the calendar year (Fee $300)

D X This site (company) manifested 100 tons or more of hazardous waste during the calendar year (Fee $400)

ITEM 7 Federal Vendor Identification Number (Tax Identification Number)

221427406/000.

PLEASE SUBMIT CHECK WITH YOUR COMPLETED REPORT.

C

OMB#: Expires

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME NJD045794971

ALLIANCE CHEMICAL INC
309-327 AVENUE P
EPA ID NO. NEWARK, NJ 07105

DRAFT
8-25-89

FORM
IC

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Waste Minimization Report

IDENTIFICATION AND CERTIFICATION

INSTRUCTIONS: Read the detailed instructions beginning on page 6 of the 1989 Hazardous Waste Report booklet before completing this form.

SEC. I Site name and location address. Complete items A through H. Check the box ☒ in items A, B, D, E, F, G, and H if same as label; if different, enter corrections. If label is absent, enter information. Instruction page 6.

A. EPA ID No. Same as label ☒ XX or → | | | | | | | | | | | | |

B. Site/company name Same as label ☒ XX or →

C. Has the site name associated with this EPA ID changed since 1987? ☐ 1 Yes ☒ 2 No

D. Street name and number. If not applicable, enter industrial park, building name or other physical location description. Same as label ☒ XX or →

E. City, town, village, etc. Same as label ☒ X or →

F. County: Essex

G. State Same as label ☒ | | |

H. Zip Code Same as label ☒ XX | | | | | – | | | | |

SEC. II Mailing address of site. Instruction page 6.

A. Is the mailing address the same as the location address? ☒ 1 Yes (SKIP TO SEC. III) ☐ 2 No (COMPLETE SEC. II)

B. Number and street name of mailing address

C. City, town, village, etc.

D. State | | |

E. Zip Code | | | | | – | | | | |

SEC. III Name, title, and telephone number of the person who should be contacted if questions arise regarding this report. Instruction page 6.

A. Please print: Last name	First name	M.I.	B. Title	C. Telephone
Huth	Roger	D	Mgr. Env. Affairs	201 945-5400 Extension

SEC. IV Enter the Standard Industrial Classification (SIC) Code that describes the principal products, group of products, produced or distributed, or the services rendered at the site's physical location. Enter more than one SIC Code only if no one industry description includes the combined activities of the site. Instruction page 7.

A.	B.	C.	D.
2865	NA		

SEC. V I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. Number of form pages submitted: Form IC 12 Form WM 10

B. Please print: Last name	First name	M.I.	C. Title	D. Signature	E. Date of signature (MO. DAY YR)
Brady	Robert	C.	VP/Gen. Manager	Robert C. Brady	04 27 90

EPA Form Revised OVER →

Sec. VI Waste Minimization Activity during 1988 or 1989

A. Did this site begin or expand a source reduction activity during 1988 or 1989? Instruction page 8	B. Did this site begin or expand a recycling activity during 1988 or 1989? Page 8	C. Did this site conduct a source reduction or recycling opportunity assessment during 1988 or 1989? Page 8
☐ 1 Yes ☒ 2 No See comments	☐ 1 Yes ☒ 2 No	☒ 1 Yes ☐ 2 No

D. What factors have limited this site from initiating new source reduction activities during 1988 or 1989? (CHECK ALL THAT APPLY)
Page 8

- ☐ 01 No factors have limited new source reduction activities.
- ☐ 02 Insufficient capital to install new source reduction equipment or implement new source reduction practices.
- ☐ 03 Lack of technical information on source reduction techniques, applicable to my specific production processes.
- ☐ 04 Source reduction is not economically feasible: cost savings in waste management or production will not recover the capital investment.
- ☐ 05 Concern that product quality may decline as a result of source reduction.
- ☐ 06 Technical limitations of the production processes.
- ☐ 07 Permitting burdens.
- ☒ 08 Other (SPECIFY IN COMMENTS)

E. What factors have limited this site from initiating new on-site or off-site recycling activities during 1988 or 1989? (CHECK ALL THAT APPLY)
Page 8

- ☐ 01 No factors have limited new recycling activities.
- ☐ 02 Insufficient capital to install new recycling equipment or implement new recycling practices.
- ☐ 03 Lack of technical information on recycling techniques applicable to this site's specific production processes.
- ☒ 04 Recycling is not economically feasible: cost savings in waste management or production will not recover the capital investment.
- ☐ 05 Concern that product quality may decline as a result of recycling.
- ☐ 06 Requirements to manifest wastes inhibit shipments off site for recycling.
- ☐ 07 Financial liability provisions inhibit shipments off site for recycling.
- ☐ 08 Technical limitations of product processes inhibit shipments off site for recycling.
- ☐ 09 Techical limitations of production processes inhibit on-site recycling.
- ☐ 10 Permitting burdens inhibit recycling.
- ☐ 11 Lack of permitted off-site recycling facilities.
- ☐ 12 Unable to identify a market for recyclable materials.
- ☐ 13 Other (SPECIFY IN COMMENTS)

Comments:

Sect. VI A&D - equipment was purchased and installation was started which will reduce this waste. Equipment was not yet at an operational state during 1989

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1989
CERTIFICATION FORM

ITEM 1 USEPA Identification Number: NJD045794971

ITEM 2 Generator (Company) Name: Alliance Chemical, Inc.

ITEM 3 Contact Person: Mr. Roger Huth

ITEM 4 Phone Number: 201 945-5400

ITEM 5 Certification:

I certify that the information given in this annual report is true, accurate and complete.

Robert C. Brady		4/27/90
(Print or type name)	(Signature)	(Date)

ITEM 6

A ☐ This site (company) generated less than 1.33 tons of hazardous waste for the calendar year 1989 (No Fee)

B ☐ This site (company) generated greater than 1.33 tons of hazardous waste but less than 10 tons of hazardous waste during the calendar year 1989 (Fee $200)

C ☐ This site (company) generated greater than 10 tons of hazardous but less than 100 tons of hazardous waste during the calendar year (Fee $300)

D ☒ This site (company) generated greater than 100 tons of hazardous waste during the calendar year (Fee $400)

ITEM 7 Federal Vendor Identification Number

221427406/000

* Please submit check with your completed report.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1989
-REPORT FORM-

1. Generator Name: Alliance Chemical, Inc.
2. USEPA ID Number: NJD045794971
3. Site Address: 33 Avenue P Newark, NJ 07105 (309-327)
4. Transporter Name: Waste Conversion, Inc.
5. Transporter USEPA ID Number: PAD085690592
6. TSD Facility Name: Waste Conversion, Inc.
7. TSD Facility EPA ID Number: PAD085690592
8. TSD Address: 2869 Sandstone Drive Hatfield, PA 19440

9.

Waste A.) Number (I)	Waste B.) Description (11)	DOT Haz C.) Class (11 or J)	Total D.) Quantity (13)	E.) Units (14)
D006	RQ Hazardous Waste Solid, NOS	ORM-E	71780	P
D006	"	"	60	T
D006	"	"	36	Y

NOTE: For each combination of transporter and treatment, storage and disposal facility (TSDF), list the TOTAL quantity manifested for each waste type

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1989
WASTE SUMMARY FORM

Generator (Company) Name Alliance Chemical, Inc.

US EPA ID Number NJD045794971

Directions

Please indicate below the total quantity of hazardous waste manifested during the 1989 report year for each unit of measure. Enter the units of measure as they appeared in item #14 of the manifest. Do not convert one form of unit of measure to another.

_____ G - Gallons (liquids only)

71,780 P - Pounds

60 T - Tons

36 Y - Cubic Yards

_____ L - Liters (Liquids only)

_____ K - Kilograms

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P. O. Box 8550
Harrisburg, PA 17105-8550

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND CHEMOTHERAPEUTIC WASTE

Form approved.
OMB No. 2050-0039
Expires 9-30-91

EP-WM-51 REV 11 89

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 0 4 5 7 3 6 9 7 1 | Manifest Document No. 7 3 6 1 4

2. Page 1 of

Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
Alliance Chemical
33 Avenue P. Newark, NJ 07105

A. State Manifest Document Number PAC 2173614

B. State Gen. ID SAME

4. Generator's Phone (201) 344 2344

5. Transporter 1 Company Name: WASTE CONVERSION INC.

6. US EPA ID Number: P A D 0 8 5 6 9 0 5 9 2

C. State Trans. ID PA- NJDEPS06209 A H 0 1 3 8

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (215) 822 8996

E. State Trans. ID PA-

9. Designated Facility Name and Site Address
Waste Conversion Inc.
2869 Sandstone Drive
Earfield, PA 19440

10. US EPA ID Number: P A D 0 8 5 6 9 0 5 9 2

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (215) 822 8996

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	I. Unit Wt/Vol	J. Waste No.
a. RQ Hazardous Waste Solid n o s ORM-E NA9189 2006	0 0 1	D T	4 5 0 0	P	D 0 0 6
b.					
c.					
d.					

K. Handling Codes for Wastes Listed Above: a. S03 c. b. d.

14. Additional Descriptions for Materials Listed Above

	Lab Pack	Physical State		Lab Pack	Physical State
a.		S	WS17379 (X)	c.	
b.				d.	

15. Special Handling Instructions and Additional Information

Activated Carbon 40% Silica 40% water 20%
Weight subject to correction at scale

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Charles McEwan — Signature: Charles McEwan — Month 12 Day 25 Year 90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Richard L Scott — Signature: Richard L Scott — Month 12 Day 25 Year 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space
13a Change to 41780 Lbs
2. Add 1 Dr

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Patrick J Moynihan — Signature: Patrick J Moynihan — Month 10 Day 26 Year 90

PA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

PAC 2173614

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P. O. Box 8550
Harrisburg, PA 17105-8550

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND CHEMOTHERAPEUTIC WASTE

Form approved.
OMB No. 2050-0039
Expires 9-30-91

ER-SWM-51: REV 12 88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NJD 0 4 5 7 9 6 9 7 1 | Manifest Document No.: 03203

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
Alliance Chemical Inc.
33 Ave. P, Newark, NJ 07105

4. Generator's Phone (201) 344 2344

5. Transporter 1 Company Name: Waste Conversion Inc

6. US EPA ID Number: PAD085690592

7. Transporter 2 Company Name:

8. US EPA ID Number:

9. Designated Facility Name and Site Address
Waste Conversion Inc
2869 Sandstone Drive
Hatfield, PA 19440

10. US EPA ID Number: PAD085690592

A. State Manifest Document: PAC 1003203
B. State Gen. ID:
C. State Trans. ID: PA-AH
D. Transporter's Phone:
E. State Trans. ID: PA-AH
F. Transporter's Phone ( )
G. State Facility's ID:
H. Facility's Phone (215 822 8956

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. RQ Hazardous Waste Solid nos OXN-I NA 9189 (D006)	001	DT	5310	P	D008
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

	Lab Pack	Physical State		Lab Pack	Physical State
a.		S	(H) L.C. WS17379		
b.					
c.					
d.					

K. Handling Codes for Wastes Listed Above
a. S03
b.
c.
d.

15. Special Handling Instructions and Additional Information

a. Activated Carbon 40% Silica 40% water 20%
Weight subject to verification at weigh scale

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
CHARLES McEWAN		12	19	90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
AARON EHRMAN JR		12	19	90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Donald Wittman		12	14	90

PAC 1003203

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

Copy 5 - TSD Facility: Mail to Generator

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P. O. Box 8550
Harrisburg, PA 17105-8550

ER-SWM-51 REV. 12/88

Form Approved. OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N J D 0 4 5 7 9 4 9 7 1
Manifest Document No.: 0 3 2 1 4
2. Page 1 of 1

Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
Alliance Chemical Inc.
33 Avenue P., Newark, N.J. 07105
4. Generator's Phone (201) 344-2344

A. State Manifest Document Number: PAG 1003214
B. State Gen. ID: same

5. Transporter 1 Company Name: Waste Conversion Inc
6. US EPA ID Number: P A D 0 8 5 6 9 0 5 9 2
C. State Trans. ID: NJDEPS06209 PA-AH 0139
D. Transporter's Phone (215 822 3996

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Trans. ID: PA-AH
F. Transporter's Phone ( )

9. Designated Facility Name and Site Address
Waste Conversion Inc
2869 Sandstone Drive
Hatfield, PA 19440
10. US EPA ID Number: P A D 0 8 5 6 9 0 5 9 2
G. State Facility's ID:
H. Facility's Phone (215 822 3996

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Hazardous Waste Solid nos ORM-E NA 9189 (D006)	001	DT	[illegible]	P	D006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)
Lab Pack / Physical State
a. S (E) L.C. #S17379
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. S03
b.
c.
d.

15. Special Handling Instructions and Additional Information

a. Activated Carbon 40% Silica 40% water 20%
Weight subject to verification at weigh scale

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Jonathan D. Meglio | Signature: [signature] | Month / Day / Year: [illegible] 90

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Tom Shoemaker | Signature: [signature] | Month 04 Day 03 Year 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: | Signature: | Month Day Year

19. Discrepancy Indication Space
13a "44400" (per HP)
[illegible handwriting] notified 4/4/90

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Miguel A. Perez | Signature: [signature] | Month 04 Day 03 Year 90

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-

PAG 1003214

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

Copy 5 - TSD Facility: Mail to Generator

Harrisburg, PA 17105-8555

Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. T T D 0 4 5 7 9 4 9 7 1 | Document No. 7 3 4 7 4 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
Alliance Chemical
33 Ave P Newark, N J 07105

A. State Manifest Doc. Number PAC 2173474

4. Generator's Phone (201 344 2344

B. State Gen. ID SAME

5. Transporter 1 Company Name: Waste Conversion Inc

6. US EPA ID Number: P A D 0 8 5 6 9 0 5 9 2

C. State Trans. ID NJ0[illegible]6209 PA- A 9 1 - - - -

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone [illegible] 322 8996

E. State Trans. ID PA- 1 1 8

9. Designated Facility Name and Site Address
Waste Conversion Inc
2869 Sandcastle Drive
Hatfield, PA 19440

10. US EPA ID Number: P A D 0 8 5 6 9 0 5 9 2

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (215 322 3996

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Waste No.
a. RQ Hazardous Waste Solid n o s CR1-3 NA9189 2006	0 0 1	C T	3 5 0	P	D 0 0 5
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

Lab Pack	Physical State		Lab Pack	Physical State	K. Handling Codes for Wastes Listed Above
a. [ ]	S	NS17379 (5)	c. [ ]		a. S03 c.
b. [ ]			d. [ ]		b. d.

15. Special Handling Instructions and Additional Information
Activated Carbon 40% Silica 40% Water 20%

WEIGHT SUBJECT TO CORRECTION

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and [illegible] governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Jonathan DiMeglio	Jonathan DiMeglio	5	15	90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Rick Snock	Rick Snock	05	15	90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Michael Wilczek	[signature]	5	15	90

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

Copy 5 - TSD Facility: Mail to Generator

GENERATOR

TRANSPORTER

FACILITY

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P. O. Box 8550
Harrisburg, PA 17105-8550

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND CHEMOTHERAPEUTIC WASTE

Form approved.
OMB No. 2050-0039
Expires 9-30-91

ER-WM-51 REV. 11/89

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD 045794971 — Manifest Document No. 73603

2. Page 1 of 1

Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
Alliance Chemical
33 Avenue P. Newark, NJ 07105

4. Generator's Phone (201) 344 2344

A. State Manifest Document Number: PAC 2173603

B. State Gen. ID: SAME

5. Transporter 1 Company Name: Waste Conversion Inc.

6. US EPA ID Number: PAD 085690592

C. State Trans. ID: NJDEPS06209 — PA- AH 0139

7. Transporter 2 Company Name:

8. US EPA ID Number:

D. Transporter's Phone: (215) 822-8996

E. State Trans. ID: PA-

9. Designated Facility Name and Site Address
Waste Conversion Inc.
2069 Sandstone Drive
Hatfield, PA 19440

10. US EPA ID Number: PAD 055 690 592

F. Transporter's Phone ( )

G. State Facility's ID:

H. Facility's Phone (215) 822 8936

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Hazardous Waste Solid n o s ORM-E NA9189 D006	001	DT	45000	P	D006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

	Lab Pack	Physical State	
a.		S	WS17379 (K)
b.			
c.			
d.			

K. Handling Codes for Wastes Listed Above: a. S03 b. c. d.

15. Special Handling Instructions and Additional Information

Activated Carbon 40% Silica 40% Water 20%
Weight subject to correction

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: Charles McEwan — Signature: [signature] — Month 6 Day 13 Year 90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Garrett L Killinger — Signature: [signature] — Month 06 Day 13 Year 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year

TRANSPORTER

19. Discrepancy Indication Space
13a. Should read 60660 P. (PK)
CHARLES MCEWAN (BEN) NOTIFIED - 06-14-90 @

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Michael A. Reyes — Signature: [signature] — Month 06 Day 13 Year 90

FACILITY

PAC 2173603

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

Copy 5 - TSD Facility: Mail to Generator

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P. O. Box 8550
Harrisburg, PA 17105-8550

AND CHEMOTHERAPEUTIC WASTE

Form approved
OMB No. 2050-0039
Expires 9-30-91

ER-WM-51 REV. 11-89

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.: NJD 045 794 971 | 3625

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
ALLIANCE CHEMICAL
33 AVENUE P NEWARK, NJ 07105

4. Generator's Phone (201) 344 2344

A. State Manifest Document Number: PAC 2173625

B. State Gen. ID: SAME

5. Transporter 1 Company Name: WASTE CONVERSION INC.

6. US EPA ID Number: PAD 085 690 592

C. State Trans. ID: NJDEP 06209
PA- AH 0139

7. Transporter 2 Company Name:

8. US EPA ID Number:

D. Transporter's Phone (215) 822 3996

E. State Trans. ID
PA-

9. Designated Facility Name and Site Address
Waste Conversion Inc.
2869 Sandstone Drive
Hatfield, PA 19460

10. US EPA ID Number: PAD085690592

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (215) 822 3996

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Hazardous Waste Solid nos ORM-E NA9189 D006	001	DT	2 DRUMS	P	D006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

	Lab Pack	Physical State	
a.		S	WS17379 (K)
b.			
c.			
d.			

K. Handling Codes for Wastes Listed Above

a. S03	c.
b.	d.

15. Special Handling Instructions and Additional Information

Activated Carbon 40% Silica 40% water 20%
Weight subject to correction at scale

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: CHARLES MCGUINN | Signature: [signature] | Month: 9 | Day: 14 | Year: 90

17. Transporter 1 Acknowledgement of Receipt of Materials

TRANSPORTER

Printed/Typed Name: CHARLES RESSLER | Signature: [signature] | Month: 9 | Day: 14 | Year: 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: | Signature: | Month: | Day: | Year:

FACILITY

19. Discrepancy Indication Space
13a) Should read 20
14a) Should read Y RA

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Don Whitman | Signature: Don Whitman | Month: 09 | Day: 15 | Year: 90

PAC 2173625

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

Copy 5 - TSD Facility: Mail to Generator

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P. O. Box 8550
Harrisburg, PA 17105-8550

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND CHEMOTHERAPEUTIC WASTE

Form approved.
OMB No. 2050-0039
Expires 9-30-91

ER-WM 51 REV. 11/89

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | NJD045794971 | Manifest Document No.

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
Alliance Chemical
33 Avenue P Newark, NJ 07105

A. State Manifest Document Number PAC 3235912

B. State Gen. ID

4. Generator's Phone (201) 344 2344

5. Transporter 1 Company Name
Waste Conversion Inc

6. US EPA ID Number | PAD085690592

C. State Trans. ID PA- | X | T | 0139

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (215 822 8996

E. State Trans. ID PA-

9. Designated Facility Name and Site Address
Waste Conversion Inc
2869 Sandstone Drive
Hatfield, PA 19440

10. US EPA ID Number | PAD085690592

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (215 822 8996

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Hazardous Waste Solid n o s CRM-E NA9189 D006	001	DT	4394	P X	D006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

	Lab Pack	Physical State		Lab Pack	Physical State
a.		S	c.		
b.			d.		

MS17379 (E)

K. Handling Codes for Wastes Listed Above

a.	S03	c.	
b.		d.	

15. Special Handling Instructions and Additional Information PO#
a. Activated Carbon 40% Silica 40% Water 20%

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	MONTH	DAY	YEAR
William Henning	William Henning	12	11	90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	MONTH	DAY	YEAR
Francis Patton	Francis Patton	12	11	90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	MONTH	DAY	YEAR

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	MONTH	DAY	YEAR
Byron Phillips		12	11	90

PAC 3235912

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

Copy 5 - TSD Facility: Mail to Generator

ALLIANCE CHEMICAL INC.
A SUBSIDIARY OF PFISTER CHEMICAL INC.

January 12, 1990

New Jersey DEP
Division of Waste Management
401 E. State Street, CN 028
Trenton NJ 08625

Attn: Manifest Section

Dear Sir/Madam:

Enclosed are waste manifests for recent shipments of waste to Waste Conversion, Inc. Hatfield, PA.

Very truly yours,

ALLIANCE CHEMICAL

Roger Huth

Roger D. Huth
Manager Environmental Affairs

Enc:

PAC 1002761 ✓
1002750 ✓
1002735 ✓
1002746 ✓
1003181 ✓
1003192 ✓

NB 377 324 651

309-327 AVENUE P, NEWARK, NJ 07105 • (201) 344-2344 • FAX (201) 945-0159 • TELEX 130-295 (PFISTER RIDE)

Waste Conversion INC.

Subsidiary of Sinuit Environmental Inc.
Penn Harvey Road
Fairfield, PA 17320

** INVOICE **

005261

DATE 12/31/89

PAGE 1

MAIL TO
01 14 12495
ALLIANCE CHEMICAL
33 AVENUE D
NEWARK, NJ 08105

SHIP TO
ALLIANCE CHMNICAL
33 AVENUE D
NEWARK, NJ
08105

CUSTOMER P.O.	SALES PERSON	HAULER	F.O.B.	TERMS	OUR ORDER NO. AND DATE	INSTR
	HOUSE ACCOUNT	WCI		NET 30 DAYS	05425 12/31/89	

LN	QTY. ORDERED	U/M	QTY. PICKUP	LAB CODE	DESCRIPTION/MANIFEST NUMBER	UNIT PRICE	AMOUNT
01	20.80	TY	20.80	WS17379	SPENT ACTIVATED CARBON 0006 12/[illegible] PA[illegible] PAC1002741	275.0000	5,742.00
02	21.12	TY	21.12	WS17379	SPENT ACTIVATED CARBON 0006 12/18/89 P41243 PAC1002750	275.0000	5,808.00
03	22.08	TY	22.08	WS17379	SPENT ACTIVATED CARBON 0006 12/19/89 P41242 PAC1002735	275.0000	6,072.00
04	24.14	TY	24.14	WS17379	SPENT ACTIVATED CARBON 0006 12/20/89 P41335 PAC1002746	275.0000	6,638.50
05	21.44	TY	21.44	WS17379	SPENT ACTIVATED CARBON 0006 12/20/89 P41334 PAC1003181	275.0000	5,896.00
06	14.87	TY	14.87	WS17379	SPENT ACTIVATED CARBON 0006 12/27/89 P41241 PAC1003192	275.0000	4,089.25
07	124.53	TN	124.53	FEES	PA HAZARDOUS WASTE FEE	7.0000	871.71
08	6.00	EA	6.00	LVCS	LOAD VERIFICATION CHARGE	50.0000	300.00
09	6.00	LD	6.00	TRANS	TRANSPORTATION	450.0000	2,700.00
10	124.53	TN	124.53	FEET	PA HAZARDOUS WASTE FEE TRANS	4.0000	498.12

SUB-TOTAL	[illegible]	SALES TAX	.00	PAID .0000	FREIGHT	.00	PLEASE PAY THIS AMOUNT	38,615.88

ORIGINAL

Bureau of Waste Management
P. O. Box 8550
Harrisburg, PA 17105-8550

AND CHEMOTHERAPEUTIC WASTE

Form approved. OMB No. 2050-0039 Expires 9-30-91

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N J D 0 4 5 7 3 4 9 7 1
Manifest Document No.
2. Page 1 of 1

Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address: [illegible]

A. State Manifest Document Number: PAC 100315[illegible]

B. State Gen. ID: SAME

4. Generator's Phone [illegible]

5. Transporter 1 Company Name: Waste Conversion Inc
6. US EPA ID Number: [illegible]

C. State Trans. ID: NJDEP S06209 PA-AH [illegible]

D. Transporter's Phone: 215 822 8996

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Trans. ID: PA-AH

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address: Waste Conversion Inc, [illegible], Hatfield, PA 19440

10. US EPA ID Number: [illegible]

G. State Facility's ID

H. Facility's Phone: 215 822 8996

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Hazardous Waste Solid n.o.s. ORM-E NA9189 (D006)	001	DF	[illegible]	P	D006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

K. Handling Codes for Wastes Listed Above: S03

15. Special Handling Instructions and Additional Information: a. Activated Carbon 40% Silica 40% water 20%

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Charles McEwen | Signature: [signature] | Month Day Year: 11 27 89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Dennis Burkefield | Signature: [signature] | Month Day Year: 11 27 89

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Byron Phillips | Signature: [signature] | Month Day Year: 11 27 89

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete.

Copy 5 - TSD Facility: Mail to Generator

TS27114

Bureau of Waste Management
P. O. Box 8550
Harrisburg, PA 17105-8550

Form approved. OMB No. 2050-0039 Expires 9-30-91

ER-BWM-81 REV 12/88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: [illegible]
Manifest Document No.
2. Page 1 of 1

Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
Alliance Chemical Inc
[illegible]

A. State Manifest Document Number: PAC 1003181

B. State Gen. ID

4. Generator's Phone (201) [illegible]

5. Transporter 1 Company Name: Waste Conversion Inc
6. US EPA ID Number: PAD [illegible]

C. State Trans. ID: PA-AH 0139

D. Transporter's Phone (215 822 8996

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Trans. ID: PA-AH

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address
Waste Conversion Inc
2869 Sandstone Drive
Hatfield, PA 19440

10. US EPA ID Number: PAD085690592

G. State Facility's ID

H. Facility's Phone (215 822 8996

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Hazardous Waste Solid n.o.s. ORM-E NA9189 (D006)	001	DT	[illegible]	P	D006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
a. Activated Carbon 40% Silica 40% Water 20%

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: [illegible] McEwan | Signature: [signature] | Month Day Year: 12 12 [illegible]

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ross Peters | Signature: [signature] | Month Day Year: [illegible]

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Michael Muschko | Signature: [signature] | Month Day Year: [illegible]

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER [illegible]

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete.

Copy 3 - TSD Facility: Mail to Generator

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P. O. Box 8558
Harrisburg, PA 17105-8558

HAZARDOUS WASTE

Form approved
OMB No. 2050-0039
Expires 9-30-91

EP-SWM-51 REV 12 88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law but is required by State law.
PAD045794971	927 46		

3. Generator's Name and Mailing Address
ALLIANCE CHEMICAL, INC.
33 AVENUE P
NEWARK, NJ 07105

A. State Manifest Document Number: PAC 1002746

4. Generator's Phone: 201-344-2344

5. Transporter 1 Company Name: Waste Connection Inc

6. US EPA ID Number: PAD085532592

B. State Transporter's ID: 2139

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. Transporter's Phone: 219 822 9996

9. Designated Facility Name and Site Address
Waste Connection Inc
2000 Saunders Rd
Hatfield, PA 19440

10. US EPA ID Number: PAD085532592

D. State Transporter's ID: PA-Ltf

E. Transporter's Phone:

F. State Facility's ID:

G. Facility's Phone: 215 822 8996

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	Total Quantity	Unit Wt./Vol.	Waste No.
a. RQ hazardous waste solid n.o.s. (D006) CR-S RG139	001	DT	22	T	D006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)
Lab Pack: Physical State:

K. Handling Codes for Wastes Listed Above
a. 98-Z

15. Special Handling Instructions and Additional Information
a. Activated Carbon 40% silica 40% water 20%
Weight subject to verification at weigh scale

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Chris McFeely
Signature:
Month: 12 Day: 20 Year: 89

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Month: Day: Year:

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: AARON GEHMAN
Signature: Aaron Gehman
Month: 12 Day: 20 Year: 89

19. Discrepancy Indication Space: Sect 18's information to sect 17's

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: DAVID SHRAWDAR
Signature:
Month: 12 Day: 10 Year: 89

GENERATOR

TRANSPORTER

FACILITY

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

Copy 5—TSD Facility: Mail to Generator

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P. O. Box 8550
Harrisburg, PA 17105-8550

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND CHEMOTHERAPEUTIC WASTE

Form approved
OMB No. 2050-0039
Expires 9-30-91

ER-SWM-51 REV. 12/88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NJD045794971
Manifest Document No.: 02735
2. Page 1 of 1

Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address: Alliance Chemical ... 33 Avenue P ... 07105
4. Generator's Phone (201) 344-2344

A. State Manifest Document Number: PAC 1002735
B. State Gen. ID: SAME

5. Transporter 1 Company Name: Waste Conversion Inc
6. US EPA ID Number: PAD085690592
C. State Trans. ID: PA-AH 0139
D. Transporter's Phone: 215 322 [illegible]

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Trans. ID: PA-AH
F. Transporter's Phone

9. Designated Facility Name and Site Address:
Waste Conversion Inc
2859 Sandstone Drive
Hatfield, PA 19440
10. US EPA ID Number: PAD085690592
G. State Facility's ID
H. Facility's Phone: 215 322 8996

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Hazardous Waste Solid n o s ORM-E NA9189 (D006)	001	DT	20	Y	D006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)
Lab Pack / Physical State / Lab Pack / Physical State
a. [illegible] b. [illegible] c. [illegible] d. [illegible]

K. Handling Codes for Wastes Listed Above
a. [illegible] b. c. d.

15. Special Handling Instructions and Additional Information
Activated Carbon 40% Silica 40% Water 20%

Weight subject to verification at weigh scale

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Charles McEwan — Signature: [signature] — Month Day Year: 11 21 1985

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: William Crost — Signature: [signature] — Month Day Year: 11 21 1985

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Joseph Kmiecik — Signature: [signature] — Month Day Year: 11 21 1985

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete.

Copy 5 – TSD Facility: Mail to Generator

ER-SWM-51 REV 12/88

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P. O. Box 8550
Harrisburg, PA 17105-8550

AND CHEMOTHERAPEUTIC WASTE.

Form approved.
OMB No. 2050-[illegible]
Expires 9-30-91

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NJD045794971
Manifest Document No.: 02750
2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address: [redacted]
ALLIANCE CHEMICAL, INC.
33 Avenue P
Newark, NJ 07105
201 344-2344

4. Generator's Phone ([redacted]) [redacted]

A. State Manifest Document Number: PAC 1002750
B. State Gen. ID: SAME

5. Transporter 1 Company Name: Waste Conversion Inc
6. US EPA ID Number: PAD085592532
C. State Trans. ID: NJDEPS06209 / PA-AH 0139
D. Transporter's Phone: 215 822 8996

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Trans. ID: PA-AH
F. Transporter's Phone ( )

9. Designated Facility Name and Site Address:
Waste Conversion Inc
2869 Sandstone Drive
Hatfield, PA 19440

10. US EPA ID Number: PAD085592532
G. State Facility's ID
H. Facility's Phone: 215 822 8996

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Hazardous Waste Solid n.o.s. ORM-E NA9189 (D006)	001	DM	2.3	Y	D006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)
Lab Pack / Physical State
a. S E.C. [illegible]

K. Handling Codes for Wastes Listed Above
a. [illegible]

15. Special Handling Instructions and Additional Information

a. Activated Carbon 40% silica 40% water 20%

Weight subject to verification at weigh scale

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: [illegible signature name] | Signature: [signature] | Month 12 Day 18 Year 89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DENNIS BREIDENSTEIN | Signature: [signature] | Month 12 Day 18 Year 89

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: | Signature: | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: DAVID R. MOSER | Signature: David R. Moser | Month 12 Day 18 Year 89

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete.

Copy 5 - TSD Facility: Mail to Generator

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P. O. Box 8550
Harrisburg, PA 17105-8550

ER-ENVMS-REV 12/86

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law but is required by State law
NJD045794971			

3. Generator's Name and Mailing Address
[redacted] Trucking
[redacted] 27104
201 [redacted] 344-2344

Alliance Chemical Inc. (U.K.)
33 Ave P, Newark, N.J. 07105

A. State Manifest Document Number: PAC 1002761
B. State Generator ID: SAME

4. Generator's Company Name: [redacted] Conversion Inc
6. US EPA ID Number: PAD085690592
C. State Trans. ID: PA-AH 0133
D. Transporter's Phone: 215 322 3996

5. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Trans. ID: PA-AH
F. Transporter's Phone:

7. Designated Facility Name and Site Address
[redacted] Conversion Inc
2369 Sandstone Drive
Hatfield, PA 19440
10. US EPA ID Number: PAD085590592
G. State Facility's ID:
H. Facility's Phone: (215 822 3996

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	15. Waste No.
a. RQ Hazardous Waste Solid n o s 9189-5 NA9189 (D006)	001	DT	36 (M)	P	D006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)
a. Lab Pack: [redacted] Physical State: LIQ
b.
c. Lab Pack: Physical State:
d.

K. Handling Codes for Wastes Listed Above
a. 503
b.
c.

9. Special Handling Instructions and Additional Information
a. Activated Carbon 40% silica 40% water 20%

Weight subject to correction at weigh station

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
William Henning	William Henning	1	2	1 6

TRANSPORTER

Printed/Typed Name	Signature	Month	Day	Year
John L Cupp	John L Cupp	1	2	1 6
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space
Sec 13a. should be 41760
Sec 14a should be P
Hen Cowell Conv Henning Initialed 1/14/86

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Patrick J. Moycikan	Patrick J. Moycikan	1	2	1 6

EPA Form 8700-22 (Rev. 9/85) Previous editions are obsolete.

Copy 5 - TSD Facility: Mail to Generator

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1988
CERTIFICATION FORM

ITEM 1 USEPA Identification Number: NJD045794971

ITEM 2 Generator (Company) Name: ALLIANCE CHEMICAL, INC.

ITEM 3 Contact Person: MR. ROGER HUTH

ITEM 4 Phone Number: 201 945-5400

ITEM 5 Certification:

I certify that the information given in this annual report is true, accurate and complete and that I have received the following guide, "GENERATOR'S GUIDE TO UNDERSTANDING THE NEW JERSEY HAZARDOUS WASTE REGULATIONS ".

Arthur Gusmano		5-30-89
(Print or type name)	(Signature)	(Date)

ITEM 6

A ☒ This site (company) generated less than 1.33 tons of hazardous waste for the calendar year 1988 (No Fee)

B ☐ This site (company) generated greater than 1.33 tons of hazardous waste but less than 10 tons of hazardous waste during the calendar year 1988 (Fee $200)

C ☐ This site (company) generated greater than 10 tons of hazardous but less than 100 tons of hazardous waste during the calendar year (Fee $300)

D ☐ This site (company) generated greater than 100 tons of hazardous waste during the calendar year (Fee $400)

ITEM 7 Federal Vendor Identification Number

221427406/000

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1988
- REPORT FORM -

1. Generator Name ALLIANCE CHEMICAL, INC.
2. USEPA ID Number NJD045794971
3. Site Address 309-327 AVENUE P NEWARK, NJ 07105
4. Transporter Name
5. Transporter USEPA ID Number
6. TSD Facility Name
7. TSD Facility EPA ID Number
8. TSD Address

9.	Waste A.) Number (I)	Waste B.) Description (11)	DOT Haz C.) Class (11 or J)	Total D.) Quantity (13)	E.) Units (14)

NO HAZARDOUS WASTE SHIPPED DURING 1988
NON-HAZARDOUS WASTES ONLY

NOTE: For each combination of transporter and treatment, storage and disposal facility (TSDF), list the TOTAL quantity manifested for each waste type.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1988
WASTE SUMMARY FORM

Generator (Company) Name ALLIANCE CHEMICAL, INC.

US EPA ID Number NJD045794971

Directions

Please indicate below the total quantity of hazardous waste manifested during the 1988 report year for each unit of measure. Enter the units of measure as they appeared in item #14 of the manifest. Do not convert one form of unit of measure to another.

0 G - Gallons (liquids only)

0 P - Pounds

0 T - Tons

0 Y - Cubic Yards

0 L - Liters (Liquids only)

0 K - Kilograms

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT
HAZARDOUS WASTE GENERATOR WASTE MINIMIZATION REPORT: 1988

Company: ALLIANCE CHEMICAL, INC. (Name) **EPA ID No.:** NJD045794971

Mailing Address: P.O. Box 15 (Street) Ridgefield (City) NJ 07657 (State/Zip Code)

Location of Generator Site: 309-327 Avenue P Newark, NJ 07105 (If different from mailing address)

Contact Person: Roger Huth (Name) 201 945-5400 (Telephone Number)

Roger Huth (Signature) Manager Environmental Affairs (Title)

PART I - PLEASE COMPLETE THE FOLLOWING SURVEY AND REPORT. FOR ASSISTANCE CALL (609) 292-8341

DEFINITIONS

Create - means to start the type of activity referred to in the question

Expand - means to improve upon or increase the scope of an active or existing activity

Recycling - means the processes constituting "use or reuse" and "reclamation". "Use or reuse" means the procedure whereby a residual is employed as an ingredient in an industrial process to make a product. "Reclamation" means a procedure whereby a material is treated to recover a useable product, or where a material is regenerated. For example, distillation and recovery of spent solvents for reuse is recycling.

Source Reduction - means the reduction or elimination of the volume and/or toxicity of hazardous waste generation at the source, usually within a process or procedure before the waste is generated.

1. Did this site create or expand a source reduction and recycling program?

	Prior Years		1987		1988	
	Yes	No	Yes	No	Yes	No
Create	☐	☐	☐	☐	☐	☐
Expand	☐	☐	☐	☐	☐	☐

2. Did this site have a written policy or statement that outlined goals, objectives and methods for source reduction and recycling of hazardous waste?

	Prior Years	1987	1988
Yes	☐	☐	☐
No	☐	☐	☐

3. What was the dollar amount of capital expenditures (plant and equipment) and operating costs devoted to source reduction and recycling of hazardous waste? Enter zero (0) if none.

	Prior Years	1987	1988
Capital expenditures	$ 0	$ 0	$ 0
Operating costs	$ 0	$ 0	$ 0

4. Did this site have an employee training program or provide incentives (bonuses, awards, personal recognition, etc.) to identify and implement source reduction and recycling opportunities and activities?

	Prior Years		1987		1988	
	Yes	No	Yes	No	Yes	No
Training	☐	☐	☐	☐	☐	☐
Incentives	☐	☐	☐	☐	☐	☐

*Note: No Hazardous Waste generated during 1988

WASTE MINIMIZATION - PART I - Continued

5. Did this site conduct a source reduction and/or recycling opportunity assessment or audit? Note: an opportunity assessment or audit is a procedure that can be implemented to reduce the generation of hazardous waste or the quantity which must subsequently be treated, stored or disposed.

	Prior Years		1987		1988	
	Yes	No	Yes	No	Yes	No
Site-Wide	☐	☐	☐	☐	☐	☐
Process-Specific	☐	☐	☐	☐	☐	☐

6. Did this site identify or implement new SOURCE REDUCTION opportunities to reduce the volume and/or toxicity of hazardous waste generated at this site?

	Prior Years		1987		1988	
	Yes	No	Yes	No	Yes	No
Identify	☐	☐	☐	☐	☐	☐
Implement	☐	☐	☐	☐	☐	☐

7. What factors have delayed or prevented implementation of SOURCE REDUCTION opportunities. MARK ☒ FOR ALL THAT APPLY.

- ☐ a. Insufficient capital to install new source reduction equipment or implement new source reduction practices.
- ☐ b. Lack of technical information on source reduction techniques, applicable to my specific production process.
- ☐ c. Source reduction is not economically feasible: cost savings in waste management or production will not recover the capital investment.
- ☐ d. Concern that product quality may decline as a result of source reduction.
- ☐ e. Technical limitations of the production processes.
- ☐ f. Permitting burdens.
- ☐ g. Other (Specify) _____

8. Did this site identify or implement new RECYCLING opportunities to reduce the volume and/or toxicity of hazardous waste generated at this site or subsequently treated, stored, or disposed of on site or off site?

	Prior Years		1987		1988	
	Yes	No	Yes	No	Yes	No
Identify	☐	☐	☐	☐	☐	☐
Implement	☐	☐	☐	☐	☐	☐

* Note: No Hazardous Waste generated during 1988.

WASTE MINIMIZATION - PART I - Continued

9. What factors have delayed or prevented implementation of on-site or off-site RECYCLING opportunities. MARK ☒ FOR ALL THAT APPLY.

- ☐ a. Insufficient capital to install new recycling equipment or implement new recycling practices.
- ☐ b. Lack of technical information on recycling techniques applicable to this site's specific production processes.
- ☐ c. Recycling is not economically feasible: cost savings in waste management or production will not recover the capital investment.
- ☐ d. Concern that product quality may decline as a result of recycling.
- ☐ e. Requirements to manifest wastes inhibit shipments off site for recycling.
- ☐ f. Financial liability provisions inhibit shipments off site for recycling.
- ☐ g. Technical limitations of product processes inhibit shipments off site for recycling.
- ☐ h. Technical limitations of productin processes inhibit on-site recycling.
- ☐ i. Permitting burdens inhibit recycling.
- ☐ j. Lack of permitted off-site recycling facilities.
- ☐ k. Unable to identify a market for recyclable materials.
- ☐ l. Other (Specify) _____

10. Has this site requested or received technical information or financial assistance on source reduction and/or recycling practices from any of the following sources? MARK ☒ FOR ALL THAT APPLY.

	Prior Years		1987		1988	
	Technical	Financial	Technical	Financial	Technical	Financial
a. Local government	☐	☐	☐	☐	☐	☐
b. State government	☐	☐	☐	☐	☐	☐
c. Federal government	☐	☐	☐	☐	☐	☐
d. Trade associations	☐	☐	☐	☐	☐	☐
e. Educational institutions	☐	☐	☐	☐	☐	☐
f. Suppliers	☐	☐	☐	☐	☐	☐
g. Other parts of your firm	☐	☐	☐	☐	☐	☐
h. Other firms/consultants	☐	☐	☐	☐	☐	☐
i. No request made	☐	☐	☐	☐	☐	☐
j. Other (conferences, literature, etc.) _____	☐	☐	☐	☐	☐	☐

*Note: No Hazardous waste generated in 1988

Comments:

PART II: 1987/1988 WASTE MINIMIZATION REPORT DATA

EPA ID #: NJD045794971

Waste Stream	a. New Jersey Waste Number (See your Manifest or Annual Report	1987 b. Enter total Amount and Unit of Waste	1987 c. Total Amount of Product Produced and Unit of Production (See Page 3)	1987 d. Amount of Waste Divided by Total Amount of Production d = b/c	1988 e. Enter total Amount and Unit of Waste	1988 f. Total Amount of Product Produced and Unit of Production (See Page 3)	1988 g. Amount of Waste Divided By Total Amount of Production g = e/f	h. Increase or Decrease of Amount of Waste Divided by Unit of Production h = g - d
A. 1	a.	b.	c.	d.	e.	f.	g.	h.
2	i. Reduction Code:	j. Disposal Code:	k. SIC CODE for Waste Stream A:		l. Product Produced:			m. Source Code:
3	n. PROCESS DESCRIPTION:				o. PROJECTED % RED./CODE(S) -			
B. 1	a.	b.	c.	d.	e.	f.	g.	h.
2	i. Reduction Code:	j. Disposal Code:	k. SIC CODE for Waste Stream B:		l. Product Produced:			m. Source Code:
3	n. PROCESS DESCRIPTION:				o. PROJECTED % RED./CODE(S) -			
C. 1	a.	b.	c.	d.	e.	f.	g.	h.
2	i. Reduction Code:	j. Disposal Code:	k. SIC CODE for Waste Stream C:		l. Product Produced:			m. Source Code:
3	n. PROCESS DESCRIPTION:				o. PROJECTED % RED./CODE(S) -			
D. 1	a.	b.	c.	d.	e.	f.	g.	h.
2	i. Reduction Code:	j. Disposal Code:	k. SIC CODE for Waste Stream D:		l. Product Produced:			m. Source Code:
3	n. PROCESS DESCRIPTION:				o. PROJECTED % RED./CODE(S) -			
E. 1	a.	b.	c.	d.	e.	f.	g.	h.
2	i. Reduction Code:	j. Disposal Code:	k. SIC CODE for Waste Stream E:		l. Product Produced:			m. Source Code:
3	n. PROCESS DESCRIPTION:				o. PROJECTED % RED./CODE(S) -			
F. 1	a.	b.	c.	d.	e.	f.	g.	h.
2	i. Reduction Code:	j. Disposal Code:	k. SIC CODE for Waste Stream F:		l. Product Produced:			m. Source Code:
3	n. PROCESS DESCRIPTION:				o. PROJECTED % RED./CODE(S) -			

*Note: No Hazardous Waste generated during 1988

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1987
- WASTE SUMMARY FORM -

Generator Name: Alliance Chemical Inc.

EPA ID No.: NJD045794971

DIRECTIONS:

Please indicate below the total quantity of hazardous waste manifested during the 1987 report year for each unit of measure. Enter the units of measure as they appeared on the manifest(s). Do not convert one form of unit of measure to another.

0	G - Gallons (liquids only)
1,400	P - Pounds
0	T - Tons (2,000 lbs.)
0	Y - Cubic Yards
0	L - Liters (liquids only)
0	K - Kilograms
0	M - Metric Tons (1,000 kg)
0	N - Cubic Meters

*Enter zero (0) for units of measure which were not utilized.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1987
- REPORT FORM -

1. Generator Name: Alliance Chemical 2. EPA ID No.: NJD045794971

3. Site Address: 309-327 Avenue P, Newark, NJ 07105

4. Transporter Name: CECOS International Inc. 5. EPA ID No.: NYD080336241

6. TSD Facility Name: CECOS International Inc. 7. EPA ID No.: NYD080336241

8. TSD Address: 56th Street & Niagara Falls Blvd. Niagara Falls, NY 14304

9. A.) Waste Number	B.) Waste Description	C.) DOT Haz Class	D.) Total Quantity	E.) Units
X725	Hazardous Waste Solid, nos	ORM-E	1,400	P

NOTE: For each combination of transporter and TSD facility, list the total quantity manifested for each waste type.

40-14-1 (9/86) — 71

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please print or type.

Form Approved. OMB No. 2050-0039. Expires 9-30-88

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Department of Transportation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Document No.: NJD045794971 / 22334

2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

GENERATOR

3. Generator's Name and Mailing Address: Alliance Chemical Inc, 309-327 Avenue P. Newark, NJ 07105

A. State Manifest Document No.: NY A 582234

4. Generator's Phone (201) 344-2344

B. Generator's ID: SAME

5. Transporter 1 (Company Name): CECOS International Inc.

6. US EPA ID Number: NYD980336241

C. State Transporter's ID:

D. Transporter's Phone (716) 282-2676

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address: CECOS International Inc. 56th St. & Niagara Falls Blvd. Niagara Falls, NY 14304

10. US EPA ID Number: NYD980336241

G. State Facility's ID:

H. Facility's Phone: (716) 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Hazardous Waste Solid n.o.s. OKM-E NA 9189	12	DM	1400	P	X725
b.					
c.					
d.					

J. Additional Descriptions for Materials listed Above
a. Soil contaminated with Fuel oil
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. L
b.
c.
d.

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
Roger Huth	Roger Huth	09	04	87

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name	Signature	Mo.	Day	Year
FRED LIBBEY	Fred Libbey	09	04	87

18. Transporter 2 (Acknowledgement of Receipt of Materials)

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
DAVID JANOSZEWSKI	David Janoszewski	09	08	87

NY A 582234

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

COPY 3—Generator—mailed by TSD facility

CECOS INTERNATIONAL INC
CHEMICAL AND ENVIRONMENTAL CONSERVATION SYSTEMS, INC.

NON-HAZARDOUS WASTE MANIFEST

Work Order No. 261030

GENERATOR

Generator EPA I.D. Number: NJD001293216
CECOS T.S.D.F EPA I.D. Number: NYD080336241

Generator Name: PFISTER CHEMICAL INC.
Address: FOOT OF LINDEN AVENUE
RIDGEFIELD, NJ 07657
Phone No.: 201 - 945 5400

CECOS T.S.D.F. Location: CECOS INTERNATIONAL
Address: 56th ST. & NIAGARA FALLS BLVD.
NIAGARA FALLS, NY 14304
Phone No.: 716 - 282 2676

CECOS Product Code	Proper U.S.D.O.T. Shipping Name, Hazard Class and I.D. Number	Quantity	Units	Containers No.	Containers Type
1335G	D.O.T. non regulated Non hazardous chemical waste	11000	P	20	D
1335G		24000	P	91	D

Codes: D - Drum; C - Carton; B - Bag; T - Truck; P - Pounds; Y - Yards; O - Other

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Roger D. Huth
Generator Authorized Agent Name

Roger D Huth
Signature

09 04 87
Shipment Date

TRANSPORTER

Transporter EPA I.D. Number: NYD080336241

Transporter Name: CECOS International Inc.
Address: 3331 Kenmore Ave.
Buffalo, N.Y. 14207

Driver Name (Print): FRED LILLEY
Vehicle License No., State: 47321 A N.Y.
Vehicle Certification: NY 7A-090

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature
09 04 87
Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature
09 05 87
Delivery Date

DESTINATION

Site Name: CECOS International Inc.
Address: 56th St. & Niagara Falls Blvd. Niagara Falls, NY 14304

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Type or Authorized Agent
Signature
09 05 87
Receipt Date

1 RED COPY FOR ORIGINAL - 2 TRANSPORTER COPY - 3 TO BE RETURNED TO GENERATOR - 4 GENERATOR RETAIN

DNR

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

1979, as amended and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

Please print or type.

Form Approved. OMB No. 2050-0039 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. M I D 0 4 5 7 9 4 9 7 1 — Manifest Document No. 9 5 9 1 7

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Alliance Chemical, Inc.
309-327 Avenue P Newark, NJ 07105

4. Generator's Phone (201) 344 2344

A. State Manifest Document Number MI 1396817

B. State Generator's ID same

5. Transporter 1 Company Name: Horwith Trucking

6. US EPA ID Number: P A D 0 6 4 0 3 5 8 1 9

C. State Transporter's ID NJDEPS 7110

D. Transporter's Phone 215-261-2200

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Wayne Disposal
49350 N. Service Dr.
Belleville, MI 48111

10. US EPA ID Number: M I D 0 4 8 0 9 0 6 3 3

G. State Facility's ID

H. Facility's Phone 313 697-7830

	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	N/H
a.		Waste Chemicals nos DOT non-regulated	1	DT	20	Y	G29L	N
b.								
c.								
d.								

J. Additional Descriptions for Materials Listed Above
S Spent Activated Carbon & Silica

K. Handling Codes for Wastes Listed Above
a/ /
b/ /
c/ /
d/ /

15. Special Handling Instructions and Additional Information
a) Tech # 2586 Spent Carbon WC #392

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: [illegible] — Signature: [signature] — Date: Month 12 Day 17 Year 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: [illegible] — Signature: [signature] — Date: Month 12 Day 17 Year 86

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
NONE

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: [illegible] — Signature: [signature] — Date: Month Day Year

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

EPA Form 8700-22 (Rev. 9/86)

PR 5110 Rev. 9/86

GENERATOR 2ND COPY

DNR

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE

ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

1979 amendment and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

Please print or type.

Form Approved. OMB No. 2050-0039 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJ D045794971 Manifest Document No. 95598

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Alliance Chemical, Inc.
309-327 Avenue P Newark, NJ 07105

4. Generator's Phone (201) 344 2344

A. State Manifest Document Number MI 1396598

B. State Generator's ID Same

5. Transporter 1 Company Name: Perretti Freight Services

6. US EPA ID Number: NJD000692343

C. State Transporter's ID AJDEPS 7067

D. Transporter's Phone 201 935 4363

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Wayne Disposal
49350 N. Service Dr.
Belleville, MI 48111

10. US EPA ID Number: MID048090633

G. State Facility's ID

H. Facility's Phone 313 697-7830

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	N/H
a. Waste Chemicals nos DOT non-regulated	1	DT	20	Y	0 2 9 L	N
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
S Spent Activated Carbon & Silica

K. Handling Codes for Wastes Listed Above
a/ /
b/ /
c/ /
d/ /

15. Special Handling Instructions and Additional Information
a) Tech # 2586 Spent Carbon WC #392

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: Charles McEwan

Signature

Date: Month 11 Day 12 Year 88

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month 11 Day 12 Year 88

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Date: Month Day Year

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

EPA Form 8700-22 (Rev. 9/86)

PR 5110 Rev 9/86

GENERATOR 2ND COPY

DNR
MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Act 64, P.A. 1979, as amended and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

Please print or type.

Form Approved. OMB No. 2050-0039 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. MJD045794971 — Manifest Document No. 961818
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ALLIANCE CHEMICAL INC.
309-327 Avenue P Newark, NJ 07105

4. Generator's Phone (201) 344 2344

5. Transporter 1 Company Name: Perretti Freight Services
6. US EPA ID Number: NJD000692343
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address: Wayne Disposal, 49350 N. Service Dr., Belleville, MI 48111
10. US EPA ID Number: MID048090633

A. State Manifest Document Number: MI 1396818
B. State Generator's ID:
C. State Transporter's ID: NJDEPS7067
D. Transporter's Phone: 201 935-4363
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID:
H. Facility's Phone: 313 697 7830

	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	N/H
a.	Waste Chemicals nos DOT non-regulated	1	DF	20	Y	029L	N
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
S Spent Activated Carbon & Silica

K. Handling Codes for Wastes Listed Above
a/ I
b/ I
c/ I
d/ I

15. Special Handling Instructions and Additional Information
a) Tech # 2586 Spent Carbon WC #392

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Charles McEwan — Signature — Date: Month 11 Day 5 Year 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: THOMAS JOHN LORD — Signature — Date: Month 11 Day 5 Year 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space
973390

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: RICHARD DEWITT — Signature — Date: Month Day Year

GENERATOR
TRANSPORTER
FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

EPA Form 8700-22 (Rev. 9/86)

PR 5:10 Rev 9/86

GENERATOR 2ND COPY

DNR
MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

1979, as amended and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

Please print or type.

Form Approved. OMB No. 2050-0039 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N J D 0 4 5 7 9 4 9 7 1 — Manifest Document No. 8 1 5 9 3

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Alliance Chemical, Inc.
309-327 Avenue P
Newark, NJ 07105 (201) 344-2344

4. Generator's Phone ( )

A. State Manifest Document Number MI 1381593

B. State Generator's ID Same

5. Transporter 1 Company Name PERETTI FREIGHT SERVICES

6. US EPA ID Number N J D 0 0 0 6 9 2 3 4 3

C. State Transporter's ID NJDEPS 7067

D. Transporter's Phone 201 935-4363

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Wayne Disposal
49350 N. Service Dr.
Belleville, MI 48111

10. US EPA ID Number M I D 0 4 8 0 9 0 6 3 3

G. State Facility's ID

H. Facility's Phone 313 697-7830

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	N/H
a. Waste Chemicals N.O.S. DOT non-regulated	1	D T	4 0 0 0 0	P	S L U D 0 2 9 L E	
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
S Spent Activated Carbon & Silica

K. Handling Codes for Wastes Listed Above
a/ /
b/ /
c/ /
d/ /

15. Special Handling Instructions and Additional Information 8160-WC
a) Tech # 2586 Spent Carbon MC #397

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Date Month Day Year
Roger D. Bath	Roger D. Bath	0 5 3 0 8 8

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
Thomas J Lombard	Thomas J Lombard	05 30 88

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

FACILITY

19. Discrepancy Indication Space
960563

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
JIM KREGER	Jim Kreger	10 7 0 2 8 8

EPA Form 8700-22 (Rev. 9/86)

PR 5110 Rev. 9/86

GENERATOR'S COPY

GENERATOR

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

DNR

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE

ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Act 64, P.A. 1979, as amended and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

Please print or type.

Form Approved. OMB No. 2050-0039 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD045794 | Manifest Document No. 8159 4

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Alliance Chemical, Inc.
309-327 Avenue P Newark, NJ 07105

4. Generator's Phone (201) 344-2344

A. State Manifest Document Number MI 1381594

B. State Generator's ID None

5. Transporter 1 Company Name: Perotti Trans Services

6. US EPA ID Number: NJD000692383

C. State Transporter's ID NJDE35767

D. Transporter's Phone 201-935-4343

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Wayne Disposal
49350 N. Service Dr.
Belleville, MI 48111

10. US EPA ID Number: MID048090633

G. State Facility's ID

H. Facility's Phone 313 697 7830

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	N/H
a. HM Waste Chemicals N.O.S. DOT non-regulated	1	DT	40000	P	029L	N
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
S Spent Activated Carbon & Silica

K. Handling Codes for Wastes Listed Above
a/ /
b/ /
c/ /
d/ /

15. Special Handling Instructions and Additional Information
a) Tech # 2586 Spent carbon WC #392

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Date (Month Day Year)
Roger D. Huth	Roger D Huth	05/21/90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
THOMAS LOMBARD	Thomas Lombard	05/21/90

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space
957323

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
MIKE MCINNIS	Mike McL	5/23/90

GENERATOR

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM. IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

EPA Form 8700-22 (Rev. 9/86)

PR 5111U Rev. 9/86

ND

DNR

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE

ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Act 64, P.A. 1979, as amended and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

Please print or type.

Form Approved. OMB No. 2050-0039 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD045794971 Manifest Document No. 81595

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

ALLIANCE CHEMICAL, INC.
309-327 Avenue P Newark, NJ 07105

4. Generator's Phone (201) 344-2344

A. State Manifest Document Number MI 1381595

B. State Generator's ID

5. Transporter 1 Company Name: PERRETTI FREIGHT SERVICES

6. US EPA ID Number: NJD000692343

C. State Transporter's ID NJDEPS7067

D. Transporter's Phone 201-935-4363

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Wayne Disposal
49350 N. Service Dr.
Belleville, MI 48111

10. US EPA ID Number: MID048090633

G. State Facility's ID

H. Facility's Phone 313 697-7830

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	N/H
a. Waste Chemicals N.O.S. DOT non regulated	1	DT	40	P	D219	N
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

S Spent Activated Carbon & Silica

K. Handling Codes for Wastes Listed Above: a/ b/ c/ d/

15. Special Handling Instructions and Additional Information

a) Tech # 2586 Spent Carbon WC #392]

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: Roger D. Huth

Signature: Roger D Huth

Date: Month 02 Day 16 Year 88

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Perretti

Signature

Date: Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

95858

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: R. Timms

Signature

Date: Month 2 Day 22 Year 88

EPA Form 8700-22 (Rev. 9/86)

PA 511U Rev. 9/86

GENERATOR 2ND COPY

IN THE EVENT OF A SPILL INVOLVING THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

DNR

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE

ATT. ☐ DIS. ☐ REJ. ☐ PR ☐

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969

Please print or type

Form Approved. OMB No. 2050-0039 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJ0045794971 — Manifest Document No. 61796

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ALLIANCE CHEMICAL INC.
309-327 AVENUE P
NEWARK NJ. 07105

4. Generator's Phone (201) 344-2344

A. State Manifest Document Number MI 1061790

B. State Generator's ID SAME

5. Transporter 1 Company Name: PERRETTI FREIGHT SERVICES

6. US EPA ID Number: NJD000691343

C. State Transporter's ID NJDEPS7067

D. Transporter's Phone 201-935-4363

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
WAYNE DISPOSAL
49350 N SERVICE DR
BELLEVILLE MI 48111

10. US EPA ID Number: MID048090633

G. State Facility's ID

H. Facility's Phone 313-697-7530

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	N/H
a. WASTE CHEMICALS N.O.S. DOT NON REGULATED	1	DT	40000	P	629	LN
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
5 SPENT AGTIVATED CARBON & SILICA

K. Handling Codes for Wastes Listed Above
a/ /
b/ /
c/ /
d/ /

15. Special Handling Instructions and Additional Information
A) TECH 2586 SPENT CARBON WC 352

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Date Month Day Year
CHARLES MCEWAN	Charles McEwan	10 31 87

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
Frank Como	Frank Como	10 31 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

TRANSPORTER

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
		10 31 87

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM IN MICHIGAN AT 1-800-292-4706 OR OUTSIDE OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY

EPA Form 8700-22 (Rev. 9/86) To be mailed by Michigan DNR

PA 5113 Rev 9 88

TSDF COPY

DNR

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE

ATT. ☐ DIS. ☐ REJ. ☐ PR ☐

Required under authority of Act 64, P.A. 1979, as amended and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

Please print or type.

Form Approved. OMB No. 2050-0039 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD045794971 Manifest Document No. 61788 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Alliance Chemical, Inc.
309-327 Avenue P
Newark NJ 07105
4. Generator's Phone (201) 344-2344

A. State Manifest Document Number MI 1061788

B. State Generator's ID

C. State Transporter's ID NJDEP57067

D. Transporter's Phone 201-935-4363

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone 313 697 7830

5. Transporter 1 Company Name: PERRETTI FREIGHT SERVICES — 6. US EPA ID Number: NJD000692838

7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address
WAYNE DISPOSAL
49350 N. Service Dr.
Belleville, MI 48111
10. US EPA ID Number: MID048090633

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	N/H
a. Waste Chemicals N.O.S. DOT non-regulated	1	DT	40000	P	029	N
b.			20	YD		
c.						
d.						

J. Additional Descriptions for Materials Listed Above
S - Spent Activated Carbon & Silica

K. Handling Codes for Wastes Listed Above
a) 1
b) 1
c) 1
d) 1

15. Special Handling Instructions and Additional Information
a) Tech # 2586 Spent Carbon WC #392

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: Roger D. Huth — Signature: Roger D Huth — Date: Month 06 Day 12 Year 89

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: TERRY J. [illegible] — Signature — Date: Month 06 Day 12 Year 89

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
93269

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: K. TERRIS — Signature — Date: Month 6 Day 12 Year 89

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

EPA Form 8700-22 (Rev. 9/86)

PR 5110 Rev. 9/86

GENERATOR 2ND COPY

DNR

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE

ATT. ☐ DIS. ☐ REJ. ☐ PR ☐

1973, as amended and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

Please print or type.

Form Approved. OMB No. 2050-0039 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD045794971 Manifest Document No. 61787

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Alliance Chemical Inc.
309-327 Avenue P
Newark, NJ 07105 (201) 344-2344

4. Generator's Phone ( )

A. State Manifest Document Number MI 1061787

B. State Generator's ID Same

5. Transporter 1 Company Name: Perretti Freight Services

6. US EPA ID Number: NJD000692343

C. State Transporter's ID NJDRPS7067

D. Transporter's Phone 201 935-4363

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Wayne Disposal
49350 N. Service Dr.
Belleville, MI 48111

10. US EPA ID Number: MID048090633

G. State Facility's ID

H. Facility's Phone 313-697-7830

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	N/H
a. Waste Chemicals, n.o.s. DOT non-regulated	1	DT	40000 25	P Y	029L	N
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
a) Spent Activated Carbon & silica

K. Handling Codes for Wastes Listed Above
a) J
b) J
c) J
d) J

15. Special Handling Instructions and Additional Information
a) Tech # 2586 Spent Carbon WC #392

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Date (Month Day Year)
Roger D. Huth	Roger D Huth	06 06 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
X Michael J Felice		6 6 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space 55 @ 25 yds. Lic Shown on manifest this time. Received. 64165 12/87

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)

GENERATOR

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

EPA Form 8700-22 (Rev. 9/86)

PR 5110 Rev. 9/88

GENERATOR 2ND COPY

DNR

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐

Required under authority of Act 64, P.A. 1979, as amended and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

Please print or type.

Form Approved. OMB No. 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N J D 0 4 5 7 9 4 9 7 1 — Manifest Document No. 2 8 7 3 6

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Alliance Chemical Inc.
309-327 Avenue P
Newark, NJ 07105

4. Generator's Phone (201) 344-2346

A. State Manifest Document Number MI 0928736

B. State Generator's ID SAME

5. Transporter 1 Company Name: Perretti Freight Services

6. US EPA ID Number: N J D 0 0 0 6 9 2 3 4 3

C. State Transporter's ID NJDEPS7067

D. Transporter's Phone 201-935-4363

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Wayne Disposal
49350 N Service Dr.
Belleville, MI 48111

10. US EPA ID Number: H I D 0 4 8 0 9 0 6 3 3

G. State Facility's ID

H. Facility's Phone 313-697-7830

	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	N/H
a.	Waste Chemicals, n.o.s. DOT non-regulated	1	D T	4 0 0 0 0	P	0 2 9 L	H
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
S Spent Activated Carbon & silica

K. Handling Codes for Wastes Listed Above
a/ /
b/ /
c/ /
d/ /

15. Special Handling Instructions and Additional Information
e) Tech # 2586 Spent Carbon WC #392

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name	Signature	Date Month Day Year
Roger D. Huth	Roger D Huth	0 4 1 3 8 7

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
[illegible]	[illegible]	0 4 1 3 8 7

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM. IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

EPA Form 8700-22 (Rev. 4-85)

PR 5110 Rev 2 2/86

GENERATOR 2ND COPY

DNR

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐

1979, as amended and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

Please print or type.

Form Approved OMB No 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N J D 0 4 5 7 9 4 9 7 1 — Manifest Document No. 2 8 7 3 5

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Alliance Chemical Inc.
309-327 Avenue P
Newark, NJ 07105

4. Generator's Phone ( ) 201-945-5400

A. State Manifest Document Number: MI 0928735

B. State Generator's ID: Same

5. Transporter 1 Company Name: PERRETTI FREIGHT SERVICES

6. US EPA ID Number: N J D 0 0 0 6 9 2 3 4 3

C. State Transporter's ID: NJDEPS7067

D. Transporter's Phone: 201-935-4363

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
~~Wayne~~ Disposal
49350 N. Service Dr.
Belleville, MI 48111

10. US EPA ID Number: MID 000 724 681

G. State Facility's ID

H. Facility's Phone: 313-697-7830

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	N/H
a. Waste Chemicals n.o.s. DOT non-regulated	1	DT	40000	P	029L	X
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
$ Spent Activated Carbon & Silica

K. Handling Codes for Wastes Listed Above
a/ 1
b/ 1
c/ 1
d/ 1

15. Special Handling Instructions and Additional Information
a) Tech # 2586 spent carbon WC # 392

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name	Signature	Date (Month Day Year)
Roger D. Ruth		08/12/87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
		08/12/87

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space
Transferred to Michigan Disposal Inc. due to customer product recall per Generator via Dana Simmons @ work Load 3-24-87 12:40 pm rcv

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
RKM		3/25/87

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

EPA Form 8700-22 (Rev. 4-85)

GENERATOR 2ND COPY

PR 5110
Rev. 2/2/86

DNR
MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐

1979, as amended and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

Please print or type.

Form Approved OMB No 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **MJD045794971** Manifest Document No. **45447**

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Alliance Chemical, Inc.
309-327 Avenue P
Newark, NJ 07105

4. Generator's Phone **(201) 344-2344**

A. State Manifest Document Number **MI 0845447**

B. State Generator's ID **SAME**

5. Transporter 1 Company Name **American Industrial Marine**

6. US EPA ID Number **NJD980773006**

C. State Transporter's ID **NJDEPS 10340**

D. Transporter's Phone **201 589-0992**

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Wayne Disposal
49350 N. Service Dr.
Belleville, MI 48111

10. US EPA ID Number **MID048090633**

G. State Facility's ID

H. Facility's Phone **313-697-7830**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	N/H
a.		**Waste Chemicals N.O.S. DOT non-regulated**	1	DT	40000	P	029L	N
b.					20 YDS			
c.								
d.								

J. Additional Descriptions for Materials Listed Above
S Activated Carbon & Silica
#392-WCB

K. Handling Codes for Wastes Listed Above
a/ /
b/ /
c/ /
d/ /

15. Special Handling Instructions and Additional Information
a) Tech #1275 Spent Carbon WC #392

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name	Signature	Date Month Day Year
Roger D. Huth		1 2 1 7

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
		/ /

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
		/ /

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
		/ /

GENERATOR — TRANSPORTER — FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

EPA Form 8700-22 (Rev. 4-85)

GENERATOR 2ND COPY

PR 5110 Rev. 4/85

DNR

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐

1979, as amended and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

lease print or type.

Form Approved OMB No. 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N J D 0 4 5 7 9 4 9 7 1 — Manifest Document No. 4 5 4 4 E

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Alliance Chemical Inc. 200-327 Avenue P Newark, N.J. 07105

4. Generator's Phone (201) 344 2344

A. State Manifest Document Number: MI 0845446

B. State Generator's ID: SAME

5. Transporter 1 Company Name: Ferretti Freight Service — 6. US EPA ID Number: N J D 0 0 0 6 9 2 3 4 3

C. State Transporter's ID: NJDEFS7007

D. Transporter's Phone:

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: Wayne Disposal 49350 N. Service Dr Belleville, MI 48111 — 10. US EPA ID Number: M I D 0 4 8 0 1 0 6 7 9

G. State Facility's ID

H. Facility's Phone: 313-697-7830

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.	N/H
a. Waste Chemicals n.o.s. DOT Non-regulated	1	DT	40000	P	0 3 4 L	N
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above: 5 Activated Carbon & Silica

K. Handling Codes for Wastes Listed Above: a/ 1 b/ 1 c/ 1 d/ 1

15. Special Handling Instructions and Additional Information: a) Tech # 1275 Spent Carbon WC = 392

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Roger D. Huth — Signature: Roger D. Huth — Date: Month 1 1 Day 9 5 Year 8 6

GENERATOR

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: John Kennedy — Signature — Date: Month 1 1 Day 0 5 Year 8 6

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

TRANSPORTER

19. Discrepancy Indication Space: 9/12 OK

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

EPA Form 8700-22 (Rev. 4-85)

GENERATOR 2ND COPY

PR 5110 Rev. 4/85

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE FACILITY ANNUAL REPORT - PART I

1. CALENDAR YEAR COVERED 1983

2. FACILITY'S NAME Alliance Chemical Inc.

3. EPA ID NO. NJDO45794971

4. MAILING ADDRESS 33 Ave. "P", Newark, New Jersey 07105

5. STREET ADDRESS OF FACILITY

6. FACILITY CONTACT Arthur F. Gusmano PHONE NUMBER 201-945-5400

7. CLOSURE COST ESTIMATE $ No Closure Cost

8. POST-CLOSURE COST ESTIMATE (if applicable) $

9. CERTIFICATION STATEMENT

"I certify under panalty of law that I have personally examined and am familar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties under N.J.S.A. 13:1E-1 et seq. for submitting false information, including the possibility of fine and imprisonment".

Arthur Gusmano	Arthur Gusmano	2/14/84
Print or Type Name	Signature	Date

10. In addition to the information required above and that required in Part II of this report, please submit the following required items: (where applicable)

A. A copy of the facility's typical waste analysis form.
B. A copy of the facility's typical daily inspection form.
C. A copy of the typical notice to a generator, required under N.J.A.C. 7:26-9.4(a)1 and a listing of all generators who received this notice (only for commercial facilities).
D. A listing of all waste shipments rejected, according to manifest number and an explanation for each rejected shipment (only for commercial facilities).
E. A listing of all manifest discrepancies and an explanation of each discrepancy (only for commercial facilities).
F. A listing of the total quantity of each waste type treated, stored, or disposed of at the facility. This listing shall include all hazardous waste accepted at the hazardous waste facility, including all on-site generated hazardous waste.
G. A listing of the total quantities of each waste type consigned to each treatment, storage, or disposal process used at the facility. This listing shall include all hazardous waste accepted at the hazardous waste facility, including all on-site generated hazardous waste.
H. A report covering all incidents that required implementing the contingency plan.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE FACILITY ANNUAL REPORT - PART II

11. FACILITY EPA ID # NJD045794971

12. GENERATOR NAME Alliance Chemical Inc.

13. GENERATOR ADDRESS _____

14. GENERATOR EPA ID # _____

15. WASTE IDENTIFICATION

LINE NUMBER	a) DESCRIPTION OF WASTE	b) NJDEP HAZARDOUS WASTE NUMBER	c) HANDLING METHOD	d) AMOUNT OF WASTE	e) UNITS

No RCRA hazardous wastes were generated, stored or shipped ~~except~~ neutralization of aqueous wastes. This treatment is done in an inground tank and discharge is direct into a POTW. ("Permit by Rule Status"

ALLIANCE CHEMICAL INC
A SUBSIDIARY OF PFISTER CHEMICAL INC
33 AVENUE P NEWARK, N. J. 07105

January 31, 1983

Manifest Section
N.J. Bureau of Hazardous Waste
Classification & Manifest
32 East Hanover Street
Trenton, N. J. 08625

Attn: Nancy Power

Dear Ms. Power:

After talking with you about Alliance Chemicals's Waste Report, I am returning the report form since Alliance has shipped no RCRA hazardous wastes in 1982.

Very truly yours,

Arthur F. Gusmano
Technical Director

AFG/cs

Encls:

Certified Mail No. P10 6182505

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF HAZARDOUS WASTE
GENERATOR'S ANNUAL REPORT
FOR YEAR OF 1981

1. GENERATOR'S NAME Alliance Chemical Inc. 2. EPA ID NO. NJD045794971

3. ADDRESS 33 Avenue "P", Newark, N. J. 07105

4. TRANSPORTER'S NAME R & R Transportation Service (SCA) 5. EPA ID NO. MJT000008953

6. ADDRESS Box 422, RD #4, Randolph, N. J.

7. FACILITY'S NAME SCA Chemical Services 8. EPA ID NO. SCD070375985

9. ADDRESS Pinewood, So. Carolina 29125

0. MANIFEST NO.	DESCRIPTION OF WASTE	DOT HAZ. CLASS	QUANTITY	UNITS	EPA WASTE TYPE	REJECTED
NJ0003909	Spent activiated carbon and filter aids.	Non-hazardous	26,000	lbs.	non-hazardous	
0003911	"	"	16,500	"	"	"
0058840	"	"	20,000	"	"	"
0023972	"	"	20,090	"	"	"
0023973	"	"	19,380	"	"	"
0023974	"	"	35,930	"	"	"
0023975	"	"	36,100	"	"	"

* - PLACE AN "*" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

1/26/81

...0/80)

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION

See cover sheet for instructions.
Please TYPE all information.

HAZARDOUS WASTE MANIFEST

PART A: SEND TO DISPOSER'S STATE DOCUMENT NO. NJ 0003909

GENERATOR NAME Alliance Chemical Inc	PHONE (INCLUDE AREA CODE) 201-344-2340	EPA ID NO. NJD045794977
ADDRESS (STREET - CITY - STATE - ZIP CODE) 33 Ave P, Newark NJ 07105		
TRANSPORTER NO. 1 R&R Sanitation Service (SCA)	PHONE (INCLUDE AREA CODE) 201-644-0575	EPA ID NO. NJTCCC89533
ADDRESS (STREET - CITY - STATE - ZIP CODE) Box 422 RD No 4, Landisan NJ 07869		
TRANSPORTER NO. 2	PHONE (INCLUDE AREA CODE)	EPA ID NO.
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
TREATMENT, STORAGE OR DISPOSAL (TSD) FACILITY SCA Chemical Services Co	PHONE (INCLUDE AREA CODE) 803-452-5003	EPA ID NO. SCD070375785
SITE ADDRESS (STREET - CITY - STATE - ZIP CODE) Pinewood, S.C.		

IF MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPROPRIATE
THIS FORM IS NO. _____ OF A TOTAL OF _____. THE FIRST MANIFEST DOCUMENT NO. IS NJ →

	PROPER US DOT SHIPPING NAME	US DOT HAZARD CLASS	UN NUMBER	FORM	NET QUANTITY	UNITS	CONTAINERS NO.	CONTAINERS TYPE	EPA HAZ CODE	EPA WASTE TYPE
1.	SPENT ACTIVATED CARBON & FILTER AID-NOS	Non-Haz		2	26000	3		06		
2.										
3.										
4.										
5.										
6.										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (i.e. IDENTIFICATION OF ADDITIONAL WASTES INCLUDED IN SHIPMENT OF A NONHAZARDOUS NATURE WHICH DO NOT HAVE TO BE MANIFESTED)

NONE

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labelled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE	TITLE	DATE SHIPPED (MO. DAY YR.)	EXPECTED ARRIVAL DATE (MO. DAY YR.)
William Hanney	Plant Manager	01 26 81	01 27 81

TRANSPORTER NO. 1 SIGNATURE AND CERTIFICATION OF RECEIPT OF SHIPMENT	TRANSPORTER NO. 1 VEHICLE ID NO.	DATE RECEIVED (MO. DAY YR.)
Louis D Lucka R&R	NJXTR25R	1 26 81

TEAR AT THIS PERFORATION

Form VHW-001 (10/80)

3/27/81

See cover sheet for instructions.
Please TYPE all information.

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION

HAZARDOUS WASTE MANIFEST

PART A: SEND TO DISPOSER'S STATE DOCUMENT NO. NJ 0003911

GENERATOR NAME	PHONE (INCLUDE AREA CODE)	EPA ID NO.
Reliance Chemical Inc	1-314-2314	NJD 074574717
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
Fl. Newark, N.J. 07105		
TRANSPORTER NO. 1	**PHONE (INCLUDE AREA CODE)**	**EPA ID NO.**
J&K Services, Inc.	201-674-0515	NJD 078 [illegible]
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
Box 422, Cliffside, N.J. 07010		
TRANSPORTER NO. 2	**PHONE (INCLUDE AREA CODE)**	**EPA ID NO.**
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
TREATMENT, STORAGE OR DISPOSAL (TSD) FACILITY	**PHONE (INCLUDE AREA CODE)**	**EPA ID NO.**
SCA Chemical Services	803-452-5603	SCD 078 [illegible]
SITE ADDRESS (STREET - CITY - STATE - ZIP CODE)		
[illegible] SC		

IF MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPROPRIATE
THIS FORM IS NO. _____ OF A TOTAL OF _____. THE FIRST MANIFEST DOCUMENT NO. IS NJ →

	PROPER US DOT SHIPPING NAME	US DOT HAZARD CLASS	UN NUMBER	FORM	NET QUANTITY	UNITS	CONTAINERS NO.	CONTAINERS TYPE	EPA HAZ CODE	EPA WASTE TYPE
1.	Spent Halogen Cont. Solid Filter, D.O., N.O.S.	Non-Haz		2	2 [illegible]	3	001	DM		
2.										
3.										
4.										
5.										
6.										

TO BE TYPED IN BY GENERATOR

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (i.e. IDENTIFICATION OF ADDITIONAL WASTES INCLUDED IN SHIPMENT OF A NONHAZARDOUS NATURE WHICH DO NOT HAVE TO BE MANIFESTED)

NONE

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labelled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE	TITLE	DATE SHIPPED	EXPECTED ARRIVAL DATE
William Kenny	Pur Manager	3 (MO.) 27 (DAY) 81 (YR.)	03 (MO.) 31 (DAY) 81 (YR.)

TRANSPORTER NO. 1 SIGNATURE AND CERTIFICATION OF RECEIPT OF SHIPMENT	TRANSPORTER NO. 1 VEHICLE ID NO.	DATE RECEIVED
Larry Rizzo	NJSWA 3088AF	03 (MO.) 7 (DAY) (YR.)

TEAR AT THIS PERFORATION

Form VHW-001 (10/80)

See cover sheet for instructions.
Please TYPE all information.

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION

HAZARDOUS WASTE MANIFEST

PART A: SEND TO DISPOSER'S STATE DOCUMENT NO. NJ 0023972

GENERATOR NAME	PHONE (INCLUDE AREA CODE)	EPA ID NO.
Fine Chemical Inc	1-344-2344	NJD045797917
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
33 Ave P Newark, N.J. 07105		
TRANSPORTER NO. 1	**PHONE (INCLUDE AREA CODE)**	**EPA ID NO.**
K&K Services (SCA)	201-664-0595	NJT000087553
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
Box 422, RD #4, Bordentown, N.J. 08505		
TRANSPORTER NO. 2	**PHONE (INCLUDE AREA CODE)**	**EPA ID NO.**
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
TREATMENT, STORAGE OR DISPOSAL (TSD) FACILITY	**PHONE (INCLUDE AREA CODE)**	**EPA ID NO.**
SCA Chemical Services	803-452-5003	SCD007037515
SITE ADDRESS (STREET - CITY - STATE - ZIP CODE)		
Pineville, S.C.		

IF MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPROPRIATE
THIS FORM IS NO. ____ OF A TOTAL OF ____. THE FIRST MANIFEST DOCUMENT NO. IS NJ →

	PROPER US DOT SHIPPING NAME	US DOT HAZARD CLASS	UN NUMBER	FORM	NET QUANTITY	UNITS	CONTAINERS NO.	CONTAINERS TYPE	EPA HAZ CODE	EPA WASTE TYPE
1.	Spent Activated Carbon and Filter Aid - D005	Non-Haz		2	20000	3	001	DC		
2.										
3.										
4.										
5.										
6.										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (i.e. IDENTIFICATION OF ADDITIONAL WASTES INCLUDED IN SHIPMENT OF A NONHAZARDOUS NATURE WHICH DO NOT HAVE TO BE MANIFESTED)

None

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labelled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE	TITLE	DATE SHIPPED (MO. DAY YR.)	EXPECTED ARRIVAL DATE (MO. DAY YR.)
William Henning	Asst Manager	04 23 81	04 24 81

TRANSPORTER NO. 1 SIGNATURE AND CERTIFICATION OF RECEIPT OF SHIPMENT	TRANSPORTER NO. 1 VEHICLE ID NO.	DATE RECEIVED (MO. DAY YR.)
[signature]	NJSWA3745	04 24 81

TEAR AT THIS PERFORATION

Form VHW-001 (10/80)

~~Cover~~ sheet for instructions.
Please TYPE all information.

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION

HAZARDOUS WASTE MANIFEST

PART A: SEND TO NEW JERSEY BUREAU OF HAZARDOUS WASTE DOCUMENT NO. NJ 0023973

GENERATOR NAME ALLIANCE CHEMICAL INC	PHONE (INCLUDE AREA CODE) 201-344-2344	EPA ID NO. NJD045794971
ADDRESS (STREET - CITY - STATE - ZIP CODE) 33 AVE P, NEWARK, N.J. 07657		
TRANSPORTER NO. 1 R&R SERVICES (SCA)	PHONE (INCLUDE AREA CODE) 201-694-0545	EPA ID NO. NJT000008953
ADDRESS (STREET - CITY - STATE - ZIP CODE) BOX 422, R.D. #4, RANDOLPH, N.J. 07869		
TRANSPORTER NO. 2	PHONE (INCLUDE AREA CODE)	EPA ID NO.
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
TREATMENT, STORAGE OR DISPOSAL (TSD) FACILITY SCA CHEMICAL SERVICES	PHONE (INCLUDE AREA CODE) 803-452-5003	EPA ID NO. SCD070375985
SITE ADDRESS (STREET - CITY - STATE - ZIP CODE) PINEWOOD, S.C.		

IF MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPROPRIATE
THIS FORM IS NO. _____ OF A TOTAL OF _____. THE FIRST MANIFEST DOCUMENT NO. IS NJ →

	PROPER US DOT SHIPPING NAME	US DOT HAZARD CLASS	UN NUMBER	FORM	NET QUANTITY	UNITS	CONTAINERS NO.	CONTAINERS TYPE	EPA HAZ CODE	EPA WASTE TYPE
1.	SPENT ACTIVATED CARBON AND FILTER AID - NOS	NON HAZ.		2	20000	3	001	06		
2.										
3.										
4.										
5.										
6.										

TO BE TYPED IN BY GENERATOR

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (i.e. IDENTIFICATION OF ADDITIONAL WASTES INCLUDED IN SHIPMENT OF A NONHAZARDOUS NATURE WHICH DO NOT HAVE TO BE MANIFESTED)

NONE

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labelled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE	TITLE	DATE SHIPPED (MO. DAY YR.)	EXPECTED ARRIVAL DATE (MO. DAY YR.)
William Henning	PLANT MANAGER	04 29 81	04 30 81

TRANSPORTER NO. 1 SIGNATURE AND CERTIFICATION OF RECEIPT OF SHIPMENT	TRANSPORTER NO. 1 VEHICLE ID NO.	DATE RECEIVED (MO. DAY YR.)
Dennis Connelly	NJSWA374SCD	04 29 81

TEAR AT THIS PERFORATION

~~See back sheet for instructions.~~
~~Type~~ TYPE all information.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

HAZARDOUS WASTE MANIFEST

PART A:

DOCUMENT NO. NJ 0023974

GENERATOR NAME: ALLIANCE CHEMICAL INC
PHONE (INCLUDE AREA CODE): 201-344-2344
EPA ID NO.: NJD045794971
ADDRESS (STREET - CITY - STATE - ZIP CODE): 33 AVE P, NEWARK, N.J. 07657

TRANSPORTER NO. 1: R&R SERVICES (SCA)
PHONE (INCLUDE AREA CODE): 201-694-0595
EPA ID NO.: NJT000008953
ADDRESS (STREET - CITY - STATE - ZIP CODE):

TRANSPORTER NO. 2
PHONE (INCLUDE AREA CODE):
EPA ID NO.:
ADDRESS (STREET - CITY - STATE - ZIP CODE):

TREATMENT, STORAGE OR DISPOSAL (TSD) FACILITY: SCA CHEMICAL SERVICES
PHONE (INCLUDE AREA CODE): 803-452-5003
EPA ID NO.: SCD070375985
SITE ADDRESS (STREET - CITY - STATE - ZIP CODE): PINEWOOD, S.C. 29125

IF MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPROPRIATE
THIS FORM IS NO. ____ OF A TOTAL OF ____. THE FIRST MANIFEST DOCUMENT NO. IS NJ →

	PROPER US DOT SHIPPING NAME	US DOT HAZARD CLASS	UN NUMBER	FORM	NET QUANTITY	UNITS	CONTAINERS NO.	CONTAINERS TYPE	EPA HAZ CODE	EPA WASTE TYPE
1.	SPENT ACTIVATED CARBON AND FILTER AID N.O.S.	NON-HAZ		2	28000	3	001	06		
2.										
3.										
4.										
5.										
6.										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (i.e. IDENTIFICATION OF ADDITIONAL WASTES INCLUDED IN SHIPMENT OF A NONHAZARDOUS NATURE WHICH DO NOT HAVE TO BE MANIFESTED)

NONE

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labelled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE	TITLE	DATE SHIPPED (MO. DAY YR.)	EXPECTED ARRIVAL DATE (MO. DAY YR.)
William Henning	Plant Manager	05 11 81	05 12 81

TRANSPORTER NO. 1 SIGNATURE AND CERTIFICATION OF RECEIPT OF SHIPMENT	TRANSPORTER NO. 1 VEHICLE ID NO.	DATE RECEIVED (MO. DAY YR.)
Hall V. Hopf	NJSWA3745	5 11 81

TEAR AT THIS PERFORATION

.i VHW-001 (10/80)

See cover sheet for instructions.
Please TYPE all information.

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION

HAZARDOUS WASTE MANIFEST

ART A: SEND TO NEW JERSEY BUREAU OF HAZARDOUS WASTE DOCUMENT NO. NJ 0023975

GENERATOR NAME	PHONE (INCLUDE AREA CODE)	EPA ID NO.
ALLIANCE CHEMICAL INC.	201-344-2344	NJD045794971
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
33 AVE P, NEWARK, N.J. 07105		
TRANSPORTER NO. 1	PHONE (INCLUDE AREA CODE)	EPA ID NO.
R&R Services (SCA)	201-694-0595	NJT000008953
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
Box 422, R.D. #4, RANDOLPH, N.J.		
TRANSPORTER NO. 2	PHONE (INCLUDE AREA CODE)	EPA ID NO.
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
TREATMENT, STORAGE OR DISPOSAL (TSD) FACILITY	PHONE (INCLUDE AREA CODE)	EPA ID NO.
SCA CHEMICAL SERVICES	803-452-5003	SCD007037598 5
SITE ADDRESS (STREET - CITY - STATE - ZIP CODE)		
PINEWOOD, S.C. 29125		

IF MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPROPRIATE
THIS FORM IS NO. _____ OF A TOTAL OF _____. THE FIRST MANIFEST DOCUMENT NO. IS NJ →

PROPER US DOT SHIPPING NAME	US DOT HAZARD CLASS	UN NUMBER	FORM	NET QUANTITY	UNITS	CONTAINERS NO.	CONTAINERS TYPE	EPA HAZ CODE	EPA WASTE TYPE
SPENT ACTIVATED Carbon and FILTER AID NOS.	NON-HAZ.		2	27000	3	001	06		

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (i.e. IDENTIFICATION OF ADDITIONAL WASTES INCLUDED IN SHIPMENT OF A NONHAZARDOUS NATURE WHICH DO NOT HAVE TO BE MANIFESTED)

NONE

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labelled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE	TITLE	DATE SHIPPED	EXPECTED ARRIVAL DATE
William Henning	PLANT MANAGER	06 15 81 (MO. DAY YR.)	06 16 81 (MO. DAY YR.)
TRANSPORTER NO. 1 SIGNATURE AND CERTIFICATION OF RECEIPT OR SHIPMENT	TRANSPORTER NO. 1 VEHICLE ID NO.	DATE RECEIVED	
Carl V. Hopkf.	NJSWA3745	6 15 81 (MO. DAY YR.)	

TEAR AT THIS PERFORATION

Form VHW-001 (10/80)

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Please TYPE all information.

HAZARDOUS WASTE MANIFEST

PART A: SEND TO GENERATOR'S STATE DOCUMENT NO. NJ 0058840

GENERATOR NAME Alliance Chemical Inc	PHONE (INCLUDE AREA CODE) 201-344-2344	EPA ID NO. NJD 054 794 971
ADDRESS (STREET - CITY - STATE - ZIP CODE) 33 Ave P, Newark, N.J. 07105		
TRANSPORTER NO. 1 R&R Services (SCA)	PHONE (INCLUDE AREA CODE) 201-694-0595	EPA ID NO. NJT 000 010 953
ADDRESS (STREET - CITY - STATE - ZIP CODE) Box 422, RD #4, Randolph, N.J.		
TRANSPORTER NO. 2	PHONE (INCLUDE AREA CODE)	EPA ID NO.
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
TREATMENT, STORAGE OR DISPOSAL (TSD) FACILITY SCA Chemical Services	PHONE (INCLUDE AREA CODE) 803-452-5003	EPA ID NO. SCD 070 375 985
SITE ADDRESS (STREET - CITY - STATE - ZIP CODE) Pinewood, S.C. 29125		

IF MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPROPRIATE
THIS FORM IS NO. ____ OF A TOTAL OF ____. THE FIRST MANIFEST DOCUMENT NO. IS NJ→

	PROPER US DOT SHIPPING NAME	US DOT HAZARD CLASS	UN NUMBER	FORM	NET QUANTITY	UNITS	CONTAINERS NO.	CONTAINERS TYPE	EPA HAZ CODE	EPA WASTE TYPE
1.	Spent Activated Carbon and Filter Aid, N.O.S.	Non-Haz		2	30000	3	001	06		
2.										
3.										
4.										
5.										
6.										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (i.e. IDENTIFICATION OF ADDITIONAL WASTES INCLUDED IN SHIPMENT OF A NONHAZARDOUS NATURE WHICH DO NOT HAVE TO BE MANIFESTED)

None

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labelled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE - ALSO PRINT SIGNATURE	TITLE	DATE SHIPPED (MO. DAY YR.)	EXPECTED ARRIVAL DATE (MO. DAY YR.)
William Henning William Henning	Plant Manager	09 03 81	09 04 81
TRANSPORTER NO. 1 SIGNATURE AND CERTIFICATION OF RECEIPT OF SHIPMENT - ALSO PRINT SIGNATURE	**TRANSPORTER NO. 1 SWA REGISTRATION NO.**	**DATE RECEIVED (MO. DAY YR.)**	
George Rowe	30188	09 03 81	

TEAR AT THIS PERFORATION

TO BE TYPED IN BY GENERATOR

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF HAZARDOUS WASTE
GENERATOR'S ANNUAL REPORT
FOR YEAR OF 1981

1. GENERATOR'S NAME Alliance Chemical Inc. 2. EPA ID NO. NJD04579497

3. ADDRESS 33 Avenue "P", Newark, New Jersey 07105

4. TRANSPORTER'S NAME R & R transportation Service (SCA) 5. EPA ID NO. NJT000008953

6. ADDRESS Box 42, RD #4, Randolph, N. J. 07801

7. FACILITY'S NAME SCA Chemical Services 8. EPA ID NO. NYD049836679

9. ADDRESS 1135 Balmer Road, Model City, New York 14107

0. MANIFEST NO.	DESCRIPTION OF WASTE	DOT HAZ.CLASS	QUANTITY	UNITS	EPA WASTE TYPE	REJECTED
NJ0058842	Spent activated carbon and filter aids	Non-hazardous	25,000	Lbs.	Non-hazardous	

- PLACE AN "*" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

Form WHW-001 (10/80)

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Please TYPE all information.

HAZARDOUS WASTE MANIFEST

PART A: SEND TO GENERATOR'S STATE DOCUMENT NO. NJ 0058842

GENERATOR NAME	PHONE (INCLUDE AREA CODE)	EPA ID NO.
ALLIANCE CHEMICAL INC	201-344-2344	NJD045794977
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
33 AVE P NEWARK N.J. 07105		
TRANSPORTER NO. 1	PHONE (INCLUDE AREA CODE)	EPA ID NO.
R&R SERVICES (SCA)	201-694-0595	NJT000008953
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
BOX 422, RD #4, RANDOLPH, N.J.		
TRANSPORTER NO. 2	PHONE (INCLUDE AREA CODE)	EPA ID NO.
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
TREATMENT, STORAGE OR DISPOSAL (TSD) FACILITY	PHONE (INCLUDE AREA CODE)	EPA ID NO.
SCA CHEMICAL SERVICES	803-452-5003	SCD070375988
SITE ADDRESS (STREET - CITY - STATE - ZIP CODE)		
PINEWOOD, S.C. 29125		

IF MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPROPRIATE
THIS FORM IS NO. ____ OF A TOTAL OF ____. THE FIRST MANIFEST DOCUMENT NO. IS NJ→

	PROPER US DOT SHIPPING NAME	US DOT HAZARD CLASS	UN NUMBER	FORM	NET QUANTITY	UNITS	CONTAINERS NO.	CONTAINERS TYPE	EPA HAZ CODE	EPA WASTE TYP
1.	SPENT ACTIVATED CARBON & FILTER AID, N.O.S.	NON-HAZ		2	25000	3	001	06		
2.										
3.										
4.										
5.										
6.										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (i.e. IDENTIFICATION OF ADDITIONAL WASTES INCLUDED IN SHIPMENT OF A NONHAZARDOUS NATURE WHICH DO NOT HAVE TO BE MANIFESTED)

NONE

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labelled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE - ALSO PRINT SIGNATURE	TITLE	DATE SHIPPED	EXPECTED ARRIVAL DATE
William Henning WILLIAM HENNING	PLANT MGR	10 01 81 MO. DAY YR.	10 02 81 MO. DAY YR.
TRANSPORTER NO. 1 SIGNATURE AND CERTIFICATION OF RECEIPT OF SHIPMENT - ALSO PRINT SIGNATURE	TRANSPORTER NO. 1 SWA REGISTRATION NO.	DATE RECEIVED	
	NJSWA5374SDF	10 01 81 MO. DAY YR.	

TEAR AT THIS PERFORATION

Date Shipped 12/17/80
Confirmed

Form VHW-001 (10/80)

See cover sheet for instructions.
Please TYPE all information.

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION

HAZARDOUS WASTE MANIFEST

PART A: SEND TO DISPOSER'S STATE — DOCUMENT NO. NJ 0003908

GENERATOR NAME	PHONE (INCLUDE AREA CODE)	EPA ID NO.
[illegible] Chemical Inc	201-[illegible]-2346	NJD[illegible]5719571
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
[illegible] East [illegible], N.J. 07035		
TRANSPORTER NO. 1	PHONE (INCLUDE AREA CODE)	EPA ID NO.
[illegible] Sanitation Service (SCA)		NJT[illegible]0153
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
[illegible] Rt. 4, Lodi, N.J. 07644		
TRANSPORTER NO. 2	PHONE (INCLUDE AREA CODE) 201-[illegible]-0345	EPA ID NO.
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
TREATMENT, STORAGE OR DISPOSAL (TSD) FACILITY	PHONE (INCLUDE AREA CODE) 803-[illegible]-5143	EPA ID NO. SCD[illegible]5
SITE ADDRESS (STREET - CITY - STATE - ZIP CODE)		
[illegible] S.C.		

IF MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPROPRIATE
THIS FORM IS NO. _____ OF A TOTAL OF _____. THE FIRST MANIFEST DOCUMENT NO. IS NJ→

	PROPER US DOT SHIPPING NAME	US DOT HAZARD CLASS	UN NUMBER	FORM	NET QUANTITY	UNITS	CONTAINERS NO.	CONTAINERS TYPE	EPA HAZ CODE	EPA WASTE TYPE
1.	Sodium Hydroxide Solution	Poison B		2	25500	3		06		
2.										
3.										
4.										
5.										
6.										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (i.e. IDENTIFICATION OF ADDITIONAL WASTES INCLUDED IN SHIPMENT OF A NONHAZARDOUS NATURE WHICH DO NOT HAVE TO BE MANIFESTED)

NONE

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labelled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE	TITLE	DATE SHIPPED MO. DAY YR.	EXPECTED ARRIVAL DATE MO. DAY YR.
[illegible]	[illegible]	12 17 80	[illegible]
TRANSPORTER NO. 1 SIGNATURE AND CERTIFICATION OF RECEIPT OF SHIPMENT	TRANSPORTER NO. 1 VEHICLE ID NO.	DATE RECEIVED MO. DAY YR.	
[illegible]	[illegible]	[illegible]	

TEAR AT THIS PERFORATION

Form VRW-001 (10/80)

Shipped 12/4/80

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION

See cover sheet for instructions.
Please TYPE all information.

HAZARDOUS WASTE MANIFEST

PART A: SEND TO DISPOSER'S STATE — DOCUMENT NO. NJ 0003904

GENERATOR NAME ALLIANCE CHEMICAL INC	PHONE (INCLUDE AREA CODE) 201-344-2344	EPA ID NO. NJD045794971
ADDRESS (STREET - CITY - STATE - ZIP CODE) 33 Ave P, NEWARK, N.J. 07105		
TRANSPORTER NO. 1 L & R SANITATION SERVICE (SCA)	PHONE (INCLUDE AREA CODE) 201-694-0595	EPA ID NO. NJTCC0008953
ADDRESS (STREET - CITY - STATE - ZIP CODE) Box 422, R.D. No 4, RANDOLPH, N.J. 07869		
TRANSPORTER NO. 2	PHONE (INCLUDE AREA CODE)	EPA ID NO.
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
TREATMENT, STORAGE OR DISPOSAL (TSD) FACILITY SCA CHEMICAL SERVICE CO.	PHONE (INCLUDE AREA CODE) 803-452-5003	EPA ID NO. SCD003755985
SITE ADDRESS (STREET - CITY - STATE - ZIP CODE) FLORENCE, S.C.		

IF MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPROPRIATE
THIS FORM IS NO. ____ OF A TOTAL OF ____. THE FIRST MANIFEST DOCUMENT NO. IS NJ→

	PROPER US DOT SHIPPING NAME	US DOT HAZARD CLASS	UN NUMBER	FORM	NET QUANTITY	UNITS	CONTAINERS NO.	CONTAINERS TYPE	EPA HAZ CODE	EPA WASTE TYPE
1.	SPENT ACTIVATED CARBON & FILTER AIDS-NOS	NON-HAZ		2	25000	3		06		
2.										
3.										
4.										
5.										
6.										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (i.e. IDENTIFICATION OF ADDITIONAL WASTES INCLUDED IN SHIPMENT OF A NONHAZARDOUS NATURE WHICH DO NOT HAVE TO BE MANIFESTED)

NONE

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labelled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE	TITLE	DATE SHIPPED (MO. DAY YR.)	EXPECTED ARRIVAL DATE (MO. DAY YR.)
William Kearney	Plant Mgr.	12 04 80	12 05 80

TRANSPORTER NO. 1 SIGNATURE AND CERTIFICATION OF RECEIPT OF SHIPMENT	TRANSPORTER NO. 1 VEHICLE ID NO.	DATE RECEIVED (MO. DAY YR.)
Dwight Rosen	3085A&E	

TEAR AT THIS PERFORATION

FOR STATE USE IN GENERATION

Form VHW-001 (10/80)

See cover sheet for instructions.
Please TYPE all information.

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION

HAZARDOUS WASTE MANIFEST

PART A: SEND TO NEW JERSEY BUREAU OF HAZARDOUS WASTE DOCUMENT NO. NJ 0003903

GENERATOR NAME	PHONE (INCLUDE AREA CODE)	EPA ID NO.
ALLIANCE CHEMICAL INC	201-344-2344	NJD045794971
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
33 AVE P, NEWARK, N.J. 07105		
TRANSPORTER NO. 1	PHONE (INCLUDE AREA CODE)	EPA ID NO.
R & R SANITATION SERVICE (SCA)	201-694-0595	NJT000008953
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
BOX 422, R.D. No 4, RANDOLPH, N.J. 07869		
TRANSPORTER NO. 2	PHONE (INCLUDE AREA CODE)	EPA ID NO.
ADDRESS (STREET - CITY - STATE - ZIP CODE)		
TREATMENT, STORAGE OR DISPOSAL (TSD) FACILITY	PHONE (INCLUDE AREA CODE)	EPA ID NO.
SCA CHEMICAL SERVICE CO.	803-452-5003	SCD007037598 5
SITE ADDRESS (STREET - CITY - STATE - ZIP CODE)		
PINE WOOD, S.C.		

IF MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPROPRIATE
THIS FORM IS NO. ____ OF A TOTAL OF ____. THE FIRST MANIFEST DOCUMENT NO. IS NJ →

	PROPER US DOT SHIPPING NAME	US DOT HAZARD CLASS	UN NUMBER	FORM	NET QUANTITY	UNITS	CONTAINERS NO.	CONTAINERS TYPE	EPA HAZ CODE	EPA WASTE TYPE
1.	SPENT ACTIVATED CARBON & FILTER AIDS - NOS	NON-HAZ		2	41500	3		06		
2.										
3.										
4.										
5.										
6.										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (i.e. IDENTIFICATION OF ADDITIONAL WASTES INCLUDED IN SHIPMENT OF A NONHAZARDOUS NATURE WHICH DO NOT HAVE TO BE MANIFESTED)

NONE

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labelled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE	TITLE	DATE SHIPPED	EXPECTED ARRIVAL DATE
Arthur Bergmann	Tech Dir	11 20 80 (MO. DAY YR.)	11 21 80 (MO. DAY YR.)
TRANSPORTER NO. 1 SIGNATURE AND CERTIFICATION OF RECEIPT OF SHIPMENT	TRANSPORTER NO. 1 VEHICLE ID NO.	DATE RECEIVED	
Jerry Roberts (R&R DRIVER)	NJTD0000008953	11 20 80 (MO. DAY YR.)	

TEAR AT THIS PERFORATION

10. MANIFEST NO | DESCRIPTION OF WASTE | DOT HAZ.CLASS | QUANTITY | UNITS | EPA WASTE TYPE | REJECTED

ONLY IN-GROUND NEUTRALIZATION OF AQUEOUS PROCESS WASTE WHICH FLOW DIRECTLY INTO THE PASSAIC VALLEY SEWER AUTHORITY.

* - PLACE AN "*" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

1/13/84

Department of Environmental Protection
Division of Waste Management
Bureau of Hazardous Waste Classification and Manifest

NJD 045794971 NJT
EPA ID number (If one was issued)

ALLIANCE Chemical Inc. 201-344 2344
Company Name Phone Number

33 AVE P
Street Address

Newark Essex New Jersey 07105
City County State Zip

Mail Address Street Address (If different)

City County State Zip

40° 43' 27" 74° 07' 55"
Latitude Longitude

201 - 344 2344
Emergency Phone

cln ground tank neutralization z aqueous process streams.

✓
Generator Transporter Facility
Company Type (Please check that which applied to your Company)

2865
SIC Code

To: Jud Merl
From: Richard D. Leonard

February 7, 1969

Subject: Alliance Plant - Sewerage Discharge

In order to establish the approximate sewer discharge rates from the Alliance Plant a 60° V-Notched Weir was installed across the creek handling the plant sewerage. The flow to the acid pond was blocked off during the measurement period.

Readings and samples were taken every 4 hours from Jan 23rd through Jan 31st (weekend excluded). From this work flow and pH conditions of our plant discharge were estimated.

The flow ranged, for the most part, between 70 gpm and 112 gpm and the pH was alkaline for long periods and acid for long periods. But even low (acid) pH readings were brought to pH 6-7 with very little treatment - 1 gram 50% caustic per gal of sewerage.

Readings have now ceased and the weir has been removed from the creek. The attached tabulation and visual plot of the readings will give a complete picture of the survey.

Mr. Ready of the Passaic Valley Sewerage called on Jan. 16, 1969 and was interested in the results of the "up coming survey." I will await word from you before corresponding with him.

SURVEY DATA FROM CREEK

Date	Time	GPM	pH
1-23	3 PM	29	9.9
1-23	4 PM	29	11.3
1-23	8 PM	29	2.6
1-23	12 PM	80	7.7
1-24	4 AM	80	9.8
1-24	9 AM	71	7.7
1-24	1 PM	100	
1-24	4 PM	71	11.6
1-24	8 PM	90	8.0
1-24	12 PM	71	12.0
1-25	4 AM	112	5.6
1-25	8 AM	71	4.0
1-27	8 AM	20	6.0
1-27	12 AM	71	9.5
1-27	4 PM	71	1.0
1-27	8 PM	124	1.0
1-27	12 PM	100	1.0
1-28	4 AM	90	3.0
1-28	8 AM	80	3.0
1-28	9 AM	112	5.0
1-28	12 AM	100	1.0
1-28	4 PM	100	1.5
1-28	5 PM	41	8.0
1-28	8 PM	112	8.0
1-28	12 PM	136	8.0
1-29	4 AM	80	1.0
1-29	8 AM	71	11.0
1-29	12 AM	71	5.5
1-29	4 PM	112	5.5
1-29	8 PM	150	
1-29	12 PM	164	5.5
1-30	4 AM	112	1.0
1-30	8 AM	100	1.0
1-30	1 PM	71	1.0
1-30	4 PM	71	9.0
1-31	8 AM	112	2.0
1-31	4 PM	112	5.0
1-31	8 PM	212	5.0
1-31	12 PM	112	5.0

cc: CP Motta, Jr.

WASTE SURVEY KEYS

Physical State
(1-5)
1. Solid
2. Liquid
3. Slurry
4. Sludge
5. Containerized gas

Waste Properties
(6-18)
6. Carcinogenic
7. Mutagenic
8. Teratogenic
9. Corrosive
10. Explosive
11. Flammable
12. Irritant
13. Strong Sensitizer
14. Toxic
15. Radioactive
16. Infectious
17. Requires Special Handling
18. Other (Specify)

Storage Prior to Disposal
(19-25)
19. Open Yard
20. In Building
21. Barrels or Drums (Metal)
22. Barrels or Drums (Non-Metal)
23. Tanks or Silos (Closed)
24. Pits, Lagoons, Open Tanks
25. Other (Specify)

Special Handling
(26-30)
26. Specialized Personnel
27. Protective Clothing
28. Special Equipment
29. Special Materials
30. Other (Specify)

Treatment Prior to Disposal
(31-58)

Volume Reduction
31. Compacting
32. Composting
33. Crushing
34. Digestion
35. Evaporation
36. Incineration
37. Lagooning
38. Shredding

Treatment Processes

Physical
39. Adsorption
40. Clarification
41. Filtration
42. Flocculation
43. Flotation
44. Gravity Separation

Chemical
45. Coagulation & Chemical Precipitation
46. Ion Exchange
47. Membrane Processes
48. Neutralization
49. Oxidation-Reduction
50. Precipitation

Biological
51. Activated Sludge
52. Anaerobic Digestion
53. Oxidation Ponds
54. Trickling Filters

Reclamation Processes
55. Material Recovery
56. Energy Recovery
57. Recycle of Waste
58. Other Treatment Process (Specify)

Frequency of Disposal
(59-65)
59. Continuous
60. Daily
61. Weekly
62. Monthly
63. Quarterly
64. Annual
65. Random (spills, etc.)

Disposal Points
(66-67)
66. On-site Disposal
67. Off-site Disposal

Disposal Method
(68-
68. Composting
69. Evaporation
70. Holding Tank or Pond
71. Incineration
72. Injection Well
73. Land Burial
74. Land Spreading
75. Ocean
76. Recycling
77. Sanitary Landfill
78. Chemical Landfill
79. Surface Water

Other (Specify)

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOLID WASTE ADMINISTRATION
INDUSTRIAL WASTE SURVEY

GENERAL INSTRUCTIONS

(1) This questionnaire should be completed by that technical person or persons most familiar with the plant processes and the associated process wastes. Answers should be given to the best of your knowledge and belief.

(2) If additional forms are required, contact the New Jersey Solid Waste Administration office in Trenton. Please complete a separate questionnaire for each branch facility producing waste within New Jersey. If additional space is required to complete Question 13, please reproduce that page.

(3) Question 13 - In determining "hazardous constituents" of each waste use the definition included in Question 12 for guidance, but do not include those items reflected in preceding column.

(4) Questions 14 and 15 - If more than one disposal facility is utilized, please supply the requested information for each facility using *additional sheets.*

(5) Question 16 - If you anticipate producing more than one new waste stream, please supply the requested information for each waste stream using additional sheets.

E X A M P L E

13. Current Industrial Waste Characteristics and Management Practices

Process (General)	Associated Waste	Estimated Quantities			Constituents of Waste Wet Basis		Physical State 1-5	Waste Properties 6-18	Storage Prior to Disposal 19-25	Special Handling 26-30	Treatment Prior to Disposal 31-58	Frequency of Disposal 59-65	Disposal Point 66-67	Disposal Method 68-	Remarks
		Tons/Yr	Cu Yds/Yr	Gal/Yr	% Major Constituents (Incl. water)	"Hazardous Constituents" ppm									
A. Metal Finishing	1. Chromic Acid			125,000	Water - 20% Chromic Acid - 80%		4	6,9,12, 14	24	27,28	37,45,48	59	67	78	
	2. Chromium Salts			110,000	Water - 30% Cr^{3+} Salts 65%		4	12,14	24	27,28	37,45,48	59	67	78	
	3. Pickling Liquor			205,000	Water - 30% H_2SO_4 - 50% Al - 10% Fe - 4%	Pb - 500 ppm	2	9,14	24	27,28	37,45,48	59	67	78	
B. Paint Manufacture	1. TiO_2 Sludge			150,000	TiO_2 - 40% Water - 55%	Pb - 1000 ppm	4	14	24	27	37	61	66	69	
	2. Cr^{+6} Salts			50,000	Water - 40% Cr6+ - 1% Cr3+ - 5%		4	6,14	24	27	37,49	61	66	69	
	3. Selenium Compounds			5,000	Water - 60% Se Salts 5% Sulfate 25% Organics 2%	10 ppm Poly-chlorinated Biphenyls	4	14	24	27	37	61	66	69	
C. Industrial Laundry	1. Organic Waste Liquid			40,000	30% Organics 10% Oil 60% Water	25 ppm Tri-Chloro. Ethylene	2	6,14	23	27	None	60	67		Will be discontinued by June 1977
	2. Freon 113			10,000	50% Organics 30% Water 20% Oil & Dirt	1000 ppm Freon	2	6,14	23	27	None	60	67		

Notes:
1. Please refer to insert (Key list and completed sample of the table) for guidance.
2. Please use the keys for guidance in completing Item No. 13. Use one or more key numbers, as appropriate, when completing each section of the table.

14. On-Site Disposal Facility (No on-site disposal) x

Landfill or land disposal ____ Incinerator ____ Other ____ (Specify) ____

Associated waste numbers, from Item 13 ____

Description of Facility ____

____

____

If on-site landfilling or land disposal has ever been used, indicate years of use (19____ to 19____).

15. Off-site Disposal Facility (No off-site disposal) ____

Landfill or land disposal x Incinerator ____ Ocean ____ Other ____ (Specify) ____

Associated waste number, from Item 13 2

Description of facility ____

Location: City or Town ____ County ____ Zip Code ____

Name of Hauler ____

Address of Hauler ____

Alternatives for ocean disposal ____

If off-site disposal practices have been changed in the past 12 months, indicate names and addresses of previous hauler and disposal facility. ____

____

____

____

____

16. New Industrial Wastes

Do you expect to produce new types of waste during the next calendar year (as a result of water pollution or air pollution controls, plant expansion, change of product, process modification, etc.). Yes ____ No x

If yes, please indicate:

General process ____

Associated waste ____

Quantity ____ Units ____

Constituents of waste ____

Method of disposal ____

State of New Jersey
Department of Environmental Protection
Solid Waste Administration
P.O. Box 2807
Trenton, New Jersey 08625

Industrial Waste Survey

Please Type or Print

Date Feb. 22, 1977

1. Name of Firm (or Establishment) ALLIANCE CHEMICAL INC.
2. Mailing address 33 Avenue P
3. City or Town NEWARK County ESSEX Zip Code 07105
4. Location (if not as above) --

____

5. Telephone number: Area Code (201/609) 201-344-2344
6. Name and Title of person completing form Richard D. Leonard/ Plant Manager
7. Name and Title of chief executive of firm Albert Bendelius/ Board Chairman
8. Industry type: Manufacturing x Storage/Break Bulk ____ Distribution ____ Other ____ (Specify)
9. S.I.C. Number (5 Digit) 2815 10. Number of employees 45
11. Principal products manufactured, stored, processed or sold Dyestuffs, Intermediates

____

12. Does your operation produce industrial wastes* having any of the following properties and/or constituents: Flammable-chemical, Corrosive, Explosive, Carcinogenic, Infectious, Radioactive, Heavy Metals, Halogenated Hydrocarbons, Generates Pressure, Irritant, Sensitizer, Toxic, Mutagenic, Teratogenic, Special Handling Requirements.

Yes x No ____

If you answered Yes to Item 12, please complete the remainder of the form

If you answered No to Item 12, please return partially completed form.

*Any discarded materials resulting from industrial or commercial processes including all liquid, semi-liquid, or solid wastes and containers contaminated with process materials, but exclusive of non-process wastes, such as on-site cafeteria, office paper wastes, or NPDES discharges.

13. Current Industrial Waste Characteristics and Management Practices

Process (General)	Associated Waste	Estimated Quantities			Constituents of Waste Wet Basis		Physical State 1-5	Waste Properties 6-18	Storage Prior to Disposal 19-25	Special Handling 26-30	Treatment Prior to Disposal 31-58	Frequency of Disposal 59-65	Disposal Point 66-67	Disposal Method 68-	Remarks
		Tons/Yr	Cu Yds/Yr	Gal/Yr	% Major Constituents (Incl. water)	"Hazardous Constituents" ppm									
Mfg. Dyestuffs & Intermediates	1. Process & Plant wastes			29,500,000	1.7% solids organic & inorganic 0.4% volatiles 97%+ water	none	2	9,12,14	24	none	37,48	59	66	Sanitary Sewer	
	2. Organic sludge		700		95% inerts (activated carbon & filter aid) 5% organics	none	4	9,12,14	21	none	none	61	67	78	

Notes:
1. Please refer to insert (Key list and completed sample of the table) for guidance.
2. Please use the keys for guidance in completing Item No. 13. Use one or more key numbers, as appropriate, when completing each section of the table.

Pfister Chemical Works

RIDGEFIELD, NEW JERSEY

TO: George Shulman *DATE:* April 14, 1967

FROM: R.M. Cole

SUBJECT: STORM DRAINAGE PROBLEMS AT NEWARK

History:

The past six months of relatively heavy rains has inundated the complete plant sites to such an extent that there has been a partial curtailment of operations during some of these rains. A study has been initiated as to the why of this situation, and it was to culminate in proposals for alleviating the conditions. The original plant ditch that ran east to west from the west side of the Newark plant to the stream adjacent to the turnpike was abandoned in favor of a twelve inch diameter drain line some time in 1966. For the present conditions at the Newark plant, this drain appears to be under-sized. The line cannot take the full run off during the heavy rains, and the resultant water has backed up into plant buildings to levels of twelve to eighteen inches. A survey of this situation indicates that part of this situation can be alleviated by the installation of a catch basin at the southwest corner of the plant so as to drain that portion of the plant to the stream via an

existing six inch "sulfite line". This work is proceeding and should be completed by the week beginning April 17. Further survey indicates that the higher elevation areas to the south and east of the Newark plant site drain directly through the production areas at Newark. In addition to this, it has also been observed that during the heavy rains experienced, the flooding of the Sun Chemical property to the east of the Newark plant raises the water table, and the hydrostatic pressure therefrom, to such a degree that there is a percolation of water up through the holes in the asphalt concrete in the areas immediately north of the warehouse. We have observed pressures of such a magnitude so as to push water streams as much as four inches above top of concrete.

Charles Motta, Sr., on questioning, has related that there have always been some drainage problems but never to the extent that they have experienced over the last six months. In reflection of the fact that there has been a drought period for the whole northeast for the last seven years, it is surely probable that the prior conditions existed but were not seen in full intensity. Also, it is probable that the open east to west ditch that has since been abandoned, was large enough to take these run offs without back up and that actually we were still draining the whole area through the plant but at a reasonable condition as to hold-up of water within the plant confines.

Recent discussion with Mr. Robert Riglian of Sun Chemical discloses the following:

1. That originally, as much as five years ago, the Alliance plant site was approximately one foot above most of the surrounding area.
2. Approximately three years ago, the owner of the junk yard to the south of the Newark plant site started filling his properties to bring them to the existing elevation, which is approximately four to five feet above what they were originally. Since this is a rather extensive area, it is really this that has added to the problem.
3. That within a two year period, the Urban Development people had required Sun Chemical to demolish the abandoned buildings on the two acres of the Newark plant site, and in doing so, an additional requirement was added to build that site to as much as eighteen inches above the old grade.
4. Avenue P has had work done on it within the last two years that included the installation of an extension of additional water mains and underground sewers (to which, by the way, Alliance is not connected). The new sewer is very close to the surface, such that Sun Chemical actually has to pump into it and part of the extension of said sewer into the Sun property is actually above grade.
5. The Urban Renewal people have planned as part of their development program a network of roads in

that area. Avenue P has been extended to the south as a dirt road. Its final routing is still indeterminate as far as the Sun people are concerned at this point. An additional road is also planned adjacent to the railroad tracks running east to west from Avenue P curving, as the intersection is made with the turnpike, to the south and proceeding parallel and adjacent to the turnpike all the way to Wilson Avenue about three miles to the south and west. It is obvious that if such a plan becomes a reality, there would have to be either abandonment or relocation of the existing ditch or stream that runs along the west side of the Newark plant site. This would have serious consequences to the drainage and waste disposal problems as they exist today at Newark.

This information was new to this writer. He now plans to review with Sun Chemical Divisional Engineering the complete picture as they know it, and also to get an assessment of what their position is on this, and as to whether or not Sun and Pfister could jointly approach the Urban Development people for some resolution of these problems, part of which have been made by the programs implemented by the Urban Development people and part that have been made by the owners of the surrounding properties.

Recommendations for Immediate Implementation:

The following conclusions and recommendations are made for immediate implementation, although recognized as partial solutions to the drainage and flooding problems:

1. Immediately abandon the use of the dirt road at the south plant perimeter. Construct a ditch or a dike depending, upon the decisions made by Sun Chemical, along the east side of the plant perimeter, for the complete length of the property line, terminating on the north at a catch basin from which will extend a twenty-four inch concrete culvert under the road, to join up with the open stream that presently runs east to west on the north side of the railroad embankment. The cost of the work, whether a ditch or a dike, is estimated to be $4,250.
2. Repair and regrade the asphalt concrete area north of the warehouse at the entrance to the plant. This requires that a minimal of four inches of asphalt concrete be added to the existing and pitched so as to divert the water accumulated in the low areas to the existing plant drains and to the new proposed catch basin. The estimated cost of this work is $1,500.

Comments:

According to Sun Chemical, obviously there are many problems that have developed with this Urban Renewal group

that are unknown to this writer. I therefore would solicit from other members of the company any available information as to the conditions in that area as we know them. I further recommend that we have a meeting on this and try to formulate what our position is, not only as to drainage but relative to what we can develop as a total picture of what is required of us under this new Urban Development program.

As to the overall drainage problems, it appears that we have, by default, allowed ourselves to get into a position that is rapidly growing untendable. If the Urban Development people have committed to this new sewer, it appears they have done so without much detailed conversation with Pfister or Alliance (prior to Pfister). At best, it appears that we would be in a position that if we were forced to abandon the stream, we would have to use the sewer. This being the case, there would be extensive work required because now there would be a detailed method of monitoring our waste as well as our run off. It appears also that this will be a combination sewer, which would require neutralization of all our waste streams plus the required pumping equipment to lift this into the proposed sewer. If such a program were to become a reality, it is hard to conceive that we could comply with the obvious requirements at costs under $50 to 60,000.

I look forward to your comments on this subject.

RMC:mz

cc Executive Committee
Operating Committee
Ed O'Connor
Charles Motta, Jr.

841400007

COST ESTIMATE & CONTROL

PFISTER CHEMICAL INC.
ENGINEERING DIVISION

DATE 4/3/67

PROJECT – Drainage Cont. Newark
CATEGORY – Civil

CODE No.	DESCRIPTION	QUANTITY	UNIT COST	ESTIMATED COST	TOTAL COMMITTED	TOTAL EXPENDED	FUTURE COMMITMENTS	CURRENT TOTAL EST. COST	OVE (UNDE
1	Soil Dike	600'	—	2000					
2	Catch Basin - 4' by 4' by 4'	2	500	1000					
3	Road Repairs -	25 L.F.		200					
4	Culvert - 24" ϕ	150 L.F.		1050					
①	Total Phase I			4250					
5	Asphalt Concrete Repairs to Main Plant Yard Area			1500					
②	Total Phase II			1500					
	Total ①+②			7,250					
	CONTINGENCY								
	TOTAL (①+②)			7500					

REMARKS:

Phase II work is required immediately to prevent further damage to yard area

PASSAIC VALLEY SEWERAGE COMMISSIONERS

DEPARTMENT OF SANITARY CONTROL

ALLIANCE CHEMICAL INC 1-8-70 642-66

33 Avenue P, Newark, New Jersey 07105

Richard D. Leonard, Plant Manager

Dye Intermediates for Textile Industry

55

Process, Sanitary, Storm

Process liquors from chemical reactions

Scheduled to feed into City Sewers by 2-2-70

100 gpm

144,000 gpd

City

Normal is 5-day; 24-hour operation

Surface Water

#4 Oil; 10,000 gal capacity

841400008

December 17, 1980

Mr. Mario Graglia
Supervisor of Monitoring & Surveillance
Passaic Valley Sewer Authority
600 Wilson Ave.
Newark, N. J. 07105

Re: Improvement to pH Control System at Alliance Chemical

Gentlemen:

All effluent flows to central pump. It is then pumped to the neutralization pit. This pit consists of a tank 6' X 12' X 10' D. With two agitators and two pH probes. The probe by the inlet side controls a motorized proportioning valve (1") and an on/off solenoid valve (3/4") which governs the flow of aqua ammonia needed to neutralize our acid waste stream.

The second pH probe and meter provides a record of the pH of our outgoing system. It also activates an alarm to notify our operating personnel if pH varies beyond the 5.5 to 9 pH range. When the alarm is activated, the pump will turn off stopping the flow to the neutralizing pit preventing a discharge to Passaic Valley Sewer Authority until the problem can be corrected.

In case of pump failure or power failure, the collection sump will be provided with an overflow line also containing a shut-off valve.

In case of a power failure, the plant will be shut down and no flow will come from the plant except possibly rain run-off.

In case of pump failure, sump will continue to fill until overflow line is reached. Overflow line will allow effluent to flow to neutralization tank. If pH goes out of range, alarm will still notify operating personnel and the line can be shut manually until pH is corrected.

841400009

If the pump supplier holds the anticipated delivery date, the improved system should be operational by late February.

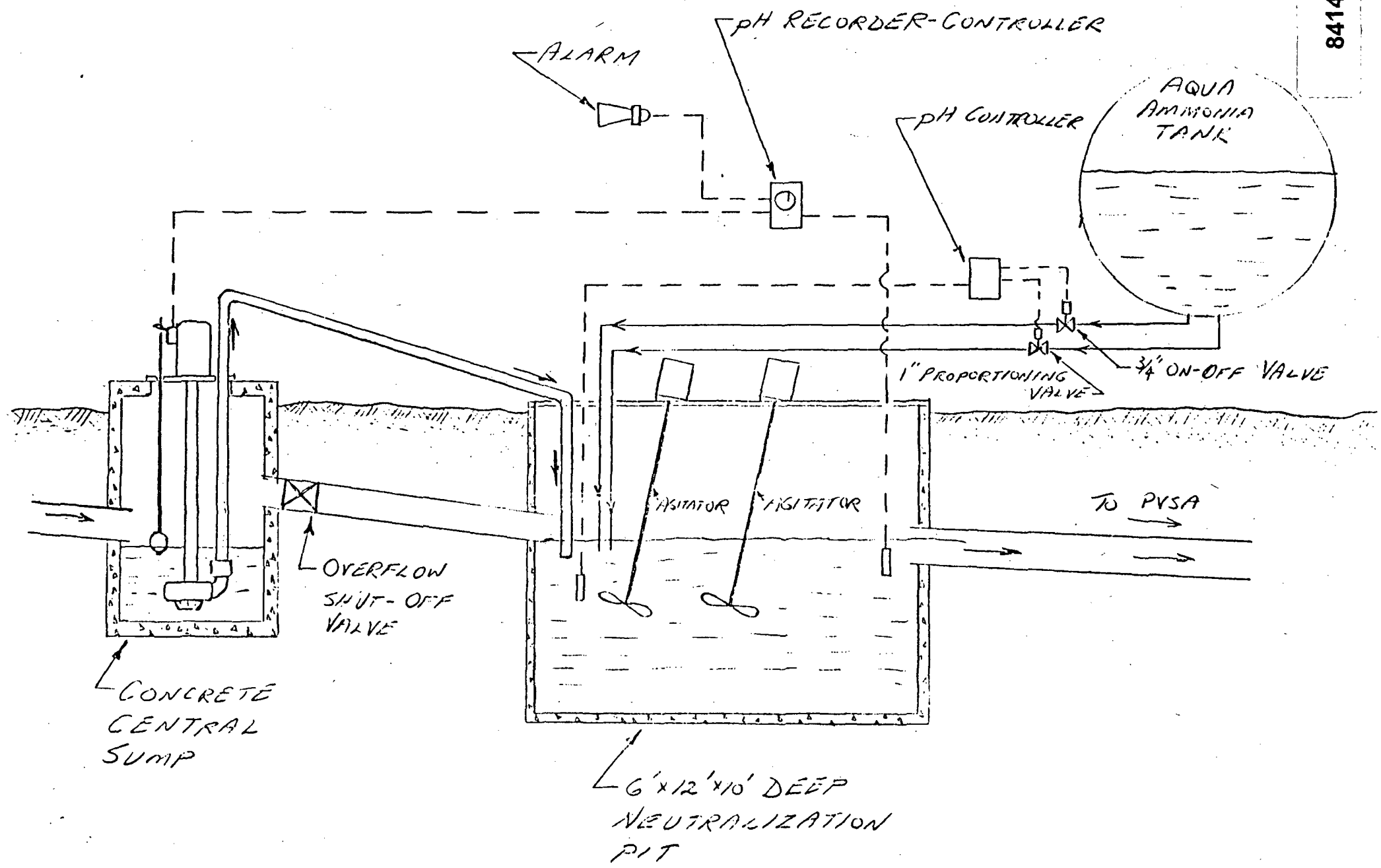
Very truly yours,

Nicholas J. DiMenna
Chief Engineer

NJDM/cs

ALLIANCE pH CONTROL SYSTEM

841400011



June 27, 1972

The Honorable Kenneth Gibson
The Mayor of the City of Newark
Newark City Hall
920 Broad Street
Newark, New Jersey 07102

Dear Mr. Mayor:

I am appealing to your office for assistance to eleviate a problem that has been plaguing our plant for many years - the threat of being inundated by waters backing up into our plant from a drainage ditch (Plum Creek) that borders our property. I am writing to you because my previous contacts with the Department of Sewers and the Director of Public Works and his Staff has only resulted in empty promises and no action.

During the rainy season of 1971 we were forced to shutdown our entire operation three times and sustained considerable property damage and loss of wages to our 50 employees. The cause of these problems is a recently installed, underdesigned drainage pipe under Avenue P. This pipe is now blocked and water from Plum Creek cannot escape to the bay and has no other route, but to back up into our plant.

I have been promised relief by the above departments on over 25 different occasions since February 1972, but todate nothing has been done to make our situation any less critical. At this writing the Plum Creek has overflowed its boundaries and is only a few feet from running over into our property.

It is my responsibility to keep this division operating and I am appealing to your office to see that proper steps are taken to ease our situation.

Very truly yours,

Richard D. Leonard
Plant Manager

ALLIANCE CHEMICAL INC
A SUBSIDIARY OF PFISTER CHEMICAL INC
33 AVENUE P NEWARK, N. J. 07105

June 21, 1972

Mr. Sam Friscia
Director of Public Works
City Hall
920 Broad Street
Newark, New Jersey 07102

Dear Mr. Friscia:

Since the latter part of February our plant has been under constant threat of being over run with flood waters from the drainage ditch (Plum Creek) that boarders our property. A letter to you (March 21, 1972) and a visit by yourself to our plant (May 18, 1972) has not given me any satisfaction that our problem will be rectified. I have been very patient todate, but at this writing my patience has run out.

I was promised a letter on May 18th stating your intentions on the above matter. Five weeks later there has still been no letter. I was told that the construction to eleviate the water condition would be completed in June or July 1972. Todate it has not started.

I am responsible for the production activities of this Division and responsible to take steps to keep production going especially when I can see impending disaster on the horizon. In dealing through your office with Messrs. Al Zack, Roger Altero and Van Reiper I have no confidence that any action will be taken in time to prevent this disaster.

This letter should reach your desk on Friday June 23rd. Should I not receive any correspondence by June 26th, outlining the positive steps the city will take to correct the problem caused by their poor design I shall have to take my cause to higher authorities. I am hoping that the latter will not be necessary.

Very truly yours,

Richard D. Leonard
Plant Manager

841400013

March 21, 1972

Mr. Sam Friscia
Director of Public Works
City Hall
920 Broad Street
Newark, New Jersey 07102

Dear Mr. Friscia:

I would like to call to your attention a surface water condition that exists around our chemical plant on Avenue P (Ironbound Section) that has caused our plant to shutdown in the past and now threatens to close our door again.

The problem is this: Our plant is surrounded by a drainage ditch (commonly referred to as Plum Creek) which collects run-off water from the Turnpike and surrounding properties and discharges into the bay. We are completely isolated from this creek, i.e., we do not discharge any water whatsoever into this creek, yet whenever this creek backs up the overflow empties into our plant resulting in emergency conditions which have often resulted in water damages to our stock and at times complete plant shutdowns. The shutdown causes a loss of production and business and results in unemployment for all our workers.

The only reason that Plum Creek backs up is that there are obstructions inhibiting the discharge of water to the bay. We have found that there are two areas where obstructions occur. (1) On the property of Revere Smelting where Plum Creek turns east and passes under a dirt roadway, and (2) under Avenue P. I have called the Department of Sewers on these occasions and most times they have tried to clear away the obstruction and let the creek subside, but on other occasions the response by the Department of Sewers has been delayed by equipment availability, manpower availability, the elements, or other reasons beyond my knowledge and as a result the condition previously described at our plant occurred. At this writing we have had a pending flooding condition existing at our plant since February 28th (over 3 weeks) with no apparent attempt to elevate the same by the Department of Sewers dispite at least seven (7) calls to their office.

I see no legitimate reason why our plant must continually face this flooding problem year in and year out when a solution is obvious - install a large obstruction-free (closed) passageway for the water to flow from the turnpike to the eastern side of Avenue P.

Another continuing effect of the flooding is that our plant waste water that is normally discharged into the Avenue P sewer system is pre-treated prior to entering the system. The extra heavy load of water from the creek pouring into our treatment facility has caused our treatment plant to become overloaded and at times unable to handle the flooding conditions.

I am quite anxious to learn what efforts are being taken by your department to remedy the above described situation. The company and the union would by appreciative of your efforts to see the above problem eliminated once and for all.

Very truly yours,

RICHARD D. LEONARD
Plant Manager

RDL:me

cc: Mr. Roger Altero
Department of Sewers
Broad Street
Newark, New Jersey

Mr. Al Zach
Chief Engineer
Department of Public Works
920 Broad Street
Newark, New Jersey

841400016

PASSAIC VALLEY SEWRAGE COMMISION VISIT.

(1) Ist Visist :- 9-19-1972

MR. LOUIS CUCCINELLO, MR. McGLaughn & Third Genleman - Visited us. they tried to impose the dumping of oily material in creek behind fat Rendering plant on us They Consistently accused us of pumping this material in the Creek.

These charges Were denied - We (Me & Tony) told them that we are not Responsible for any dumping. Tony Explained that while demolition of fat Rendering plant - they destroyed the oil storage tank full of oil. - & during the heavy Rain oil floated to the surface of the soil — This explanation was quoted as Sensible by Mr Cuccinello. - Mr Cuccinello is the Superintendent of Passaic valley Sewrage Commision.

AT This point we also stressed & showed them that there is no evrdence of over flow from our Pond to Creek.

(2) IInd Visit — 10-3-1972.

MR. Mc.Glaughlin & another Gentleman - Came here & Sard that they have Checked the Sample from pond & Creek. & found they Were Same — Meaggun denied the Charges of dumping any material in the Creek - there upon the Gentleman asked Mr McGlaughlin to come Next-day & take

Samples. - We asked him about his prior statement that they already had taken the sample. - Gentleman Replied - Well we may have made a mistake they left after that

(3) IIIrd Visit - 10-4-1972. MR. McGloughlin came took the samples - made one Very simple comment - that both the samples are not the same (Creek - & pond) sample from creek -

Ander

PASSAIC VALLEY SEWERAGE COMMISSIONERS
790 BROAD STREET
NEWARK, N. J. 07102

622-0190

Alliance Chemical, Inc.
33 Avenue P.
Newark, New Jersey

JAN 23 19[illegible]

Gentlemen:

The Passaic Valley Sewerage Commissioners are required by law to prevent pollution of the Passaic River and its tributaries, and also are required to exclude from entry into the sewerage system all discharges which may injuriously affect the integrity of the system.

In addition to these requirements of the New Jersey Statutes, new Federal regulations provide minimum standards for effluent discharges.

The Commissioners are in the process of preparing standards for industrial waste discharges, both into rivers, streams, and tributaries, and into the Passaic Valley Sewerage Commissioners' system. In order to prepare realistic standards, a questionnaire is being mailed to all industries in the Passaic Valley Sewerage Commissioners' district. Your questionnaire is enclosed.

You are required to complete the questionnaire and return it to the Passaic Valley Sewerage Commissioners within thirty days. Your cooperation is requested. Any industrial user which does not complete the questionnaire will be required to terminate the further discharge of industrial waste.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Thomas Lazzio

Thomas Lazzio
Chairman

TL/kl
Enclosure

Mr. 5 File

841400018

March 27, 1972

Mr. Edwin L. Barnhart
Hydroscience Inc.
363 Old Hook Road
Westwood, New Jersey 07675

Dear Mr. Barnhart:

On March 23, 1972 we received a letter and questionaire from the Passaic Valley Sewerage Commissioners (a copy of which is attached) which must be completed and returned by April 23, 1972. I have filled out Pages 1 & 2 and need your help with Pages 3 & 4. The data taken during your 1969 survey should provide most of the answers to these questions.

To bring you up to date on what has transpired since your survey the following is a description of our discharge system:

> Our shallow plant sewers connect to a retention pond. The overflow from this pond flows through a concrete pit containing an agitator and the discharge from an Alkali treatment tank. A pH probe in the pit electronically meters alkali (ammonia or caustic) to the pit on demand to maintain the pH of the sanitary sewerage at a pH of approximately 6.0.

Our product line has remained relatively constant since your survey with the exception that we have discontinued the use of xylol as a solvent (a raw material which sometimes managed to get into our waste stream). Our storm sewer receives only rain and surface water run-offs.

If you have any questions or areas where information may be incomplete please contact me at your earliest convenience.

Very truly yours,

Richard D. Leonard
Plant Manager

EST. UNIT PRICE	DATE NEEDED BY	REQUISITION DATE	DEPARTMENT	REQUISITIONER
$250 max.	4-28-72	4-11-72	Production	R. D. Leonard

RECOMMENDED VENDOR AND ADDRESS: HYDROSCIENCE INC.

363 Broad Avenue, Westwood, New Jersey Attn: Mr. Tim Sullivan

USING DEPT. APPROVAL: RDL

PURCHASING APPROVAL:

INTERNAL INSTRUCTIONS

REQUISITION/PURCHASE ORDER

A SUBSIDIARY OF Pfister

PFISTER CHEMICAL INC.

ALLIANCE CHEMICAL INC.

33 AVENUE P, NEWARK, NEW JERSEY 07105

P. A-7112

THIS NUMBER MUST APPEAR ON ALL PACKAGES, DELIVERY SLIPS AND INVOICES.

☐ EXEMPTION REGISTRATION NO. 221-427-406

☐ RETURNABLE DRUMS TO BE BILLED BY MEMO ONLY

☐ THIS IS AN ORIGINAL ORDER - PLEASE ACKNOWLEDGE

☒ CONFIRMATION

TO

DATE	RECEIVED BY
4-11-72	Tim Sullivan

SHIP ATTENTION OF: R. D. Leonard

DO NOT MAKE PARTIAL SHIPMENTS OF ANY ITEM WITHOUT AUTHORIZATION

DELIVERIES WILL BE RECEIVED 8 A.M. TO 3:30 P.M. MON. THROUGH FRI. INCLUSIVE

DATE OF ORDER	TERMS	F.O.B.	SHIP VIA	DELIVERY REQUIRED BY

ITEM NO.	QUANTITY	DESCRIPTION	CODE	UNIT PRICE
1	1	Survey study of Alliance Plant Discharge to		not to
		gather sufficient data to satisfactorily		exceed
		complete questionaire from Passaic Valley		$250.00
		Sewerage Commissioners (dated 3-23-72).		
		picked up samples 4/20/72 — T. Sullivan.		
		7-10 day..		
	5/3			
—				

ACCEPTANCE

This Purchase Order sets forth the entire agreement between Buyer and Seller and can be changed, modified or added to only by written agreement and is governed by the terms and conditions stated herein and on the reverse hereof.

The order is not valid if over $5,000.00 in total value.

REQUISITIONER'S COPY

MAKE ALL INQUIRIES TO

841400020

(201) 344-2344

Return to:
PASSAIC VALLEY SEWERAGE COMMISSIONERS
790 Broad Street
Newark, N. J. 07102

Date: May 10, 1972

Plant Ref. No. IRE0446

WASTE EFFLUENT SURVEY

(For Industries Served by the Passaic Valley Sewerage Commissioners)

Plant Name: Alliance Chemical Inc.

Address: 33 Avenue P, Newark, New Jersey Zip 07105

Person and Title to whom any further inquiries should be directed:
Richard D. Leonard - Plant Manager

Phone No.: 344-2344

Number of Employees: 45

Number of Working Days Per Week: Normally 5

Number of Shifts Per Day: 3

Area of Property: ..... Acres, or approx. 150,000 Sq. Ft.

Type of Industry and 4 digit U. S. Standard Industrial Classification No.:
Chemical - SIC 2815

Finished Product(s): Dyestuffs, Intermediates for Textile Industry

Average Production: Confidential

Raw Materials Used: Amine type bases - too numerous to itemize

Brief Description of Operations: Batch Chemical Processes - Clarification, Filtration, Sulfonation, Nitrations, Chlorinations, Diazatations, Condensations, Simple mixing and blending, drying, etc.

841400021

Water received in *Gallons* (Note: multiply cu. ft. x 7.48)

Purchased water in 1971 from: ~~Spicer~~ CITY OF NEWARK

1st Quarter 7,451,600

2nd Quarter 8,031,300

3rd Quarter 7,455,300

4th Quarter 6,290,700

Total Purchased 1971: 29,228,900 gallons

Well Water

1st Quarter none

2nd Quarter

3rd Quarter

4th Quarter

Total well water received in 1971: none

River Water

1st Quarter none

2nd Quarter

3rd Quarter

4th Quarter

Total river water taken in in 1971: none

TOTAL OF ALL WATER RECEIVED IN 1971: 29,228,900 gallons

Water Use in 1971:

Water to Product (include evaporated and lost water): 29,228,900 gallons

Water to Sanitary Sewer: approx. 29,200,000 gallons

Water to Storm Sewer, River or Ditch: surface and storm water - cannot estimate

TOTAL WATER USE IN 1971: 29,228,900

Name of River, Stream, or Tributary, and location of storm sewer or ditch outlet to river, stream, or tributary: Sewer system tied in to Avenue P sewer system.

841400022

ANSWER THE FOLLOWING QUESTIONS ONLY IF THE PLANT WASTE INCLUDES WASTE ATTRIBUTABLE TO INDUSTRIAL OPERATIONS

(Note: Analyses should be based on a 24-hour composite sample)

Characteristics of Plant Waste discharged to sanitary or combined sewer. after treatment if any. Indicate units of measure where applicable (e.g. Mg/l).

a) pH: 6.3 b) Turbidity: 1100 JCU

c) Temperature: ambient d) Radioactive? Yes ..... No x

e) Solids Concentration:

1) Total Solids 16,988 mg/l Volatile 4,164 mg/l Mineral —

2) Suspended Solids 720 mg/l Volatile 475 mg/l Mineral —

f) Oil and Grease Concentration:

1) Floatable Oils 406 mg/l

2) Emulsified Oils .....

g) Chlorides 5,150 mg/l

h) Chemical Oxygen Demand (C.O.D.): 7,160 mg/l

i) 5-day Bio-chemical Oxygen Demand (B.O.D.): 2,692 mg/l

j) Total organic carbon (T.O.C.): 1,193 mg/l

k) Metallic Ions—Name and concentration (Important—list each metal in waste, e.g., chromium hex. and triv. Antimony, Lead, Mercury, Copper, Vanadium, Nickel; give concentration and total daily discharge of each metal.)

Zn 500 mg/l

l) Toxic Material—Name and concentration e.g., cyanide salts, etc.): none

m) Solvents—Name and concentration: none

n) Resins—Name and concentration (Lacquers, Varnishes, Synthetics): none

o) Date and time span of sample April 18-20, 1972 48 Hourly samples

Explain hours, method of discharge of waste to Sanitary Sewer and peak rate of flow, e.g., (continuing for 8 hours per day, 5 days per week at 100 gal./day rate) (batch twice a day for 20 minutes at 100 gal./min.) (Continuous 24 hours steady or with peaks at 2 P.M., peak rate 3 M.G.D.) etc.

Continuous 24 hours per day discharge - rate will vary but cannot predict peaks - Average rate is about 100 gpm

841400023

Characteristics of Plant Discharge to Storm Sewer, River, or Ditch, after treatment if any. Indicate units of measure where applicable (e.g., Mg/l).

a) pH: ONLY STORM WATER GOES TO STORM SEWER b) Turbidity: .....

c) Temperature: ..... d) Radioactive? Yes ..... No .....

e) Solids Concentration:

1) Total Solids ..... Volatile ..... Mineral .....

2) Suspended Solids ..... Volatile ..... Mineral .....

f) Oil and Grease Concentration:

1) Floatable Oils .....

2) Emulsified Oils .....

g) Chlorides .....

h) Chemical Oxygen Demand (C.O.D.): .....

i) 5-day Bio-chemical Oxygen Demand (B.O.D.): .....

j) Total Organic Carbon (T.O.C.): .....

k) Metallic Ions—Name and concentration (Important—list each metal in waste, e.g., chromium hex. and triv. Antimony. Lead, Mercury, Copper, Vanadium, Nickel; give concentration and total daily discharge of each metal.):

.....

.....

l) Toxic Material—Name and concentration (e.g., cyanide salts, etc.): .....

.....

m) Solvents—Name and concentration: .....

.....

n) Resins—Name and concentration (Lacquers, Varnishes, Synthetics): .....

.....

o) Date and time span of sample: .....

Do you pretreat any waste before discharge? .....

If so, describe process and disposal of residue removed: .....

.....

.....

.....

Certification of Laboratory doing sampling and making analyses shall be given. Procedures shall be those shown in the 13th edition of Standard Methods for the Examination of Water and Wastewater, where applicable. If no procedure is applicable, the laboratory is to describe method and procedure used in analyses.

Richard S. Leman

.....

Signature and title of person preparing report

Plant Manager

54

841400024

HYDROSCIENCE, INC.
Consultants in Water Pollution Control
363 OLD HOOK ROAD
WESTWOOD, NEW JERSEY 07675
201-666-2600

DONALD J. O'CONNOR
EDWIN L. BARNHART
JOHN L. MANCINI

Associates
THOMAS J. MULLIGAN
JOHN P. ST. JOHN
ROBERT V. THOMANN

May 4, 1972

Mr. Richard Leonard
Alliance Chemical Co., Inc.
33 Avenue P
Newark, New Jersey 07105

Dear Mr. Leonard:

In accordance with your request, samples from Alliance Chemical, Inc., Newark, New Jersey, were analyzed in order to complete the Passaic Valley Sewerage Commission Survey. These tests were performed on the Industrial Waste only as the only flow entering the storm sewer is storm water. The results are as follows:

pH	6.3
Turbidity	1100 JCU
Total Solids	16,988 mg/l
Total Volatile Solids	4,164 mg/l
Suspended Solids	720 mg/l
Volatile Suspended Solids	475 mg/l
Oil & Grease	406 mg/l
Chlorides	5,150 mg/l
COD	7,160 mg/l
BOD	2,692 mg/l
TOC	1,193 mg/l
Zn	500 mg/l

I hope these results will be of assistance for the completion of the questionnaire. If our office can be of further assistance, please call us.

Very truly yours,

Timothy Sullivan

Timothy Sullivan

TS:bjl

THE CITY OF NEWARK, NEW JERSEY

KENNETH A. GIBSON, MAYOR

CORNELIUS BODINE, JR.
BUSINESS ADMINISTRATOR

DEPARTMENT OF PUBLIC WORKS
SAMUEL A. FRISCIA, DIRECTOR

Date: APR 27 1973

ROBERT VAN RIPER
BUREAU ENGINEER
BUREAU OF SEWERS

Mr. Richard D. Leonard, Plant Manager
Alliance Chemical Inc.
33 Avenue P,
Newark, N. J. 07105

Dear Mr. Leonard: RE: Violation Title 21 Chapter 3-4 (b) and 3-6(a) Ordinance of the City of Newark

After reviewing the Waste Effluent Survey form which you completed and returned to the Passaic Valley Sewerage Commissioners dated May 10, 1972, three violations were noted under the above ordinances. These three violations are:

(1) The BOD of your effluent discharge was 2692 mg/l.

(2) The amount of Suspended Solids in your effluent discharge was 720 mg/l.

(3) The amount of Greasy Materials in your effluent discharge was 406 mg/l.

Enclosed are copies of the City Ordinances which describes the acceptable limits of BOD, Suspended Solids and Greasy Material.

This letter is to be considered written notice, notifying you of the existing violation. Please contact this office within thirty days of receipt of this letter telling what action you plan to take to correct said violations. Your written response should include a time table indicating when and what will be done as well as the date the existing violation will be eliminated. ,

Very truly yours,

R.R. Curtis, Manager for

Roger Altiero,
PRINCIPAL ENGINEER

RA:GPF

Certified Mail 990016

841400026

May 3, 1973

Mr. Timothy Sullivan
Hydroscience, Inc.
363 Old Hook Road
Westwood, New Jersey 07675

Dear Mr. Sullivan:

As per your request I am enclosing a copy of the letter we received from the City of Newark with regard to certain areas where we are supposedly in violation of Newark ordinances.

Please review this letter and advise us as to the next course of action.

Very truly yours,

Richard D. Leonard
Plant Manager

enc;

ALLIANCE CHEMICAL INC
A SUBSIDIARY OF PFISTER CHEMICAL INC
33 AVENUE P NEWARK, N. J. 07105

May 14, 1973

Mr. Roger Altiero
Principal Engineer
Department of Public Works
City Hall
920 Broad Street
Newark, New Jersey

Dear Mr. Altiero:

This will acknowledge receipt of your letter dated April 27, 1973 refering to certain violations with regard to our waste effluent discharge.

We have engaged additional consulting groups familiar with this area of pollution control and will re-survey our waste effluent stream as it is very possible that the results obtained over a year ago do not reflect our current analysis profile due to product line revisions and proper and smooth operation of our waste treatment facility.

Samples are currently being processed by the consulting laboratory and upon receipt and analysis of these results we will be in a better position to evaluate our necessary course of action and at that point we will be in touch with your office.

Very truly yours,
ALLIANCE CHEMICAL INC.

RICHARD D. LEONARD
Plant Manager

rdl:me.

841400028

TO: GEORGE SHULMAN
ED O'CONNER
NICK DEMENNA

DATE: MAY 22, 1973

FROM: RICHARD D. LEONARD

SUBJECT: REPEAT SEWERAGE ANALYSIS BY HYDROSCIENCE

Samples taken from our sewerage discharge on May 8th (1 sample every 3 hours) were analyzed by Hydroscience and are summarized below against the analysis performed in April 1972 and against the 'standards' set up by the City of Newark.

	May 1973	April 1972	STANDARD
BOD	1580 mg/l	2692 mg/l	350 mg/l
Suspended Solids	413 mg/l	720 mg/l	400 mg/l
Oil & Grease	180 mg/l	406 mg/l	125 mg/l

As you can see all results come closer to the STANDARD and only the BOD is far in excess of the STANDARD.

Mr. Timothy Sullivan, of Hydroscience, relates that they have dealt with the City of Newark on similar matters and would do so in our behalf at our request.

State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOLID WASTE ADMINISTRATION 32 East Hanover Street
TRENTON. 08625

BEATRICE S. TYLUTKI
DIRECTOR

February 11, 1977

ALLIANCE CHEMICAL INC 2865
% PFISTER CHEMICAL
INC
P O BOX 15
RIDGEFIELD N J 07657

ATTN:CHIEF EXECUTIVE OFFICER

ATTENTION: Chief Executive Officer

I would appreciate your referring the attached Industrial Waste Survey form to the responsible manager in your corporation. We are requesting completion and return to this office by March 15, 1977.

We are conducting this survey to determine if there is a need for additional permanent disposal facilities for those industrial wastes requiring special handling. Heretofore, much of these wastes were disposed of in a small number of commercial landfills in New Jersey. All such landfills have now been closed--in most cases due to air and water pollution problems. Only a limited number of other types of facilities exist and there appears to be a need for additional facilities. Your factual information will help determine if other facilities are required.

Furthermore, this information will assist our consultant, Roy F. Weston, Inc., in developing new rules and regulations governing this type of waste and its disposal.

As you are aware, New Jersey law places a burden on the generator to make sure that these wastes are properly disposed and requires the submission of periodic reports regarding certain industrial wastes. This survey is not intended to be a substitute for any of these reports, but to obtain additional information. Any information so obtained which may relate to proprietary processes will be kept strictly confidential. We do reserve the right to compile and use statistical data summaries as to the general quality and quantity of wastes produced and disposed throughout the State.

Your cooperation in filling out and promptly returning this questionnaire will assist both us and our consultant. If you have any questions regarding this survey or need extra copies, please contact Mr. Ronald J. Buchanan, of my staff, at 609-292-9878.

Sincerely,

Beatrice S. Tylutki

Beatrice S. Tylutki, Director
Solid Waste Administration

BST:oms

NOTE: If you have completed this questionnaire during our Dec.-Jan. test run, please call or return the form with a statement to that effect.

841400031

To Stouge | At

Subject U.S. Army Engineers | Date 1/27/66

A 3 man team re-visited us today for a good part of the morning. Apparently, yesterday's re-inspection had been too cursory — At any rate, they returned today with a list of questions from a superior Officer.

This time drawings - sketches et al were required - this was more like previous contacts, searching and penetrating questions!

As far as the group here was concerned, would judge we made out OK. Whether or not they convinced superiors!?

We should note these summarized high points which developed from their listed questions:

(A) Flow to brook is clean water (cooling) plus innocuous process effluents. All acids are kept out of this system.

(B) Some acids are destroyed as part of process. The resulting calcium sulfate is carted away as a solid by regular garbage disposal firm.

(C) Some acids are pitted for storage. We will dispose of this in slack times or when pit fills by pumping back into process

DUPLICATE Signed

Date | Signed

45 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

841400032

To GEORGE | At

Subject U.S. ARMY ENGINEERS | Date 1/26/66

This will record that a 2 man team visited us today for a re-inspection. Inspector R. DiCLEMENTE were in charge.

They seemed pleased. Took pictures of filled in acid pit, the new pit, and the catch basin. Would guess they will consider violations corrected and case closed (if — they do not turn up acid in lower reaches of brook, their destination after visiting our property).

No sampling was done on our property at time of visit. (We checked right after they left as a matter of interest and we were running neutral)

DUPLICATE

Signed

Mr. Clemente made a point of impressiveness of our letter and how pleased "they" were with our cooperation and cordiality.

Everything went pleasantly. Actual physical check and/or confirmation was cursory.

Frank

Date | Signed

45 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

841400033

ORGE | At

U.S. ARMY ENGINEERS | Date 1/26/66

This will record that a 2 man team visited today for a re-inspection. Inspector R. DiCLEMENTE in charge.

They seemed pleased. Took pictures of the acid pit, the new pit, and the catch basin. I guess they will consider violations corrected case closed (if — they do not turn up acid over beaches of brook, their destination after leaving our property).

No sampling was done on our property at this visit. (We checked right after they left as a matter of interest and we were running neutral)

TE

Signed

Mr. DiClemente made a point of impressiveness of letter and how pleased "they" were with our cooperation and cordiality.

Everything went pleasantly. Actual physical and/or confirmation was cursory.

Frank

Signed

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

orm®

CHUCK MOTTA JR

NOTE WELL

841400034

To ~~D. Evans~~ At

Subject U.S. Army Engineers Date 1/27/66

C B came from re-visited us today for a good part of the morning. Apparently yesterday's re-inspection had been somewhat cursory — At any rate, they returned today with a list of questions from a superior officer.

The same warnings - whether or not we agreed - this was more like previous contacts, coaching and pumping questions!

As far as the group here was concerned, would prefer we remain out OK. Whether or not the superior satisfied??

We should note these summarized high points which included these listed questions:

(A) How & where is waste water (cooling), plus laboratory process effluents, all acids are kept out of this system.

(B) Some acids are discharged as part of process, the resulting solution is neutralized away as a solid to ~~system~~ sanitary disposal system.

(C) Some acids are pitted for storage. We will dispose of this as slack time or when pit fills by pumping back into process

Date Signed

45 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

(2)

841400035

To | At

Subject | Date

equipment and lining out. This was something I could not avoid for they asked for, and again for our planning and proved the uncertain hand of fate & had taken advantages of the various ~~~~ cross-communications I avoid a direct answer. Could not even get away with generalized statement as would destroy. It proved for both "how" and "where". (A hint it reminds us to a future course of action.)

RETURN TO ~~~~ Signed Frank

Date | Signed

45 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

841400036

To George | At

Subject Harbor Patrol – U.S. Army Engineers | Date 2/5/66

We were visited again yesterday. A ship had entered on complaint of damage to machinery (or perhaps – fear of damage) while using river water for cooling purposes at Rochride. They had investigated and found the water with a pH of 2.

The acid water was traced back to the outfall used by the brick. The inspection team said they stopped in to see us only to ask if we knew who owned the lime pits bordering the brick. The had seen Linde's warning signs re "caustic materials" but could not find the plant (?).

DUPLICATE

Signed

I had three impressions:

(A) That the original complaint was ~~none~~ about polluted water (maybe color ?) (maybe smell ?) and that it was discovered acid when they arrived to check.

(B) That a considerable investigation might be launched by the formality of a complaint.

There was no implication that we were involved. In fact, I was given the impression

Date | Signed

4S 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

841400037

To | At

Subject | Date

that since we had solved our problems satisfactorily, they thought perhaps we might have some idea where from the acid was coming and could help them.

Do you think this continuing pressure on the Rock warrants a review of our philosophy?

Frank

DUPLICATE

Signed

Date | Signed

...uck Motta Jr

NOTE WELL

841400038

At

U.S. Army Engineers

Date 1/27/66

T S man from re-visited us today for a
r of the answering. Apparently yesterday's
test did not run correctly — At any rate,
met today with a list of questions from
his office.
The two viewings - sketches of me
- this was more like previous contacts,
and particular questions!
As far as the group has been concerned, we're
ready and OK. What was the previous criticism??
We should note that summarized high
points we will submit from this

Signed

listed questions:
How & when is Arsenic added (timing), plus
chemicals, process effluents. All acids are
kept out of this system.
Some acids are discharged as part of process,
The resulting solution is pumped away
as a solid to ~~to~~ another collection disposal firm.
Some acids are piped for storage. We will
dispose of this via truck tanker & then
pit fills by pumping back into process

Signed

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

841400039

To | At

Subject | Date

equipment and lining out. This was something I could not avoid for they asked time and again for our planning and pressed the question hard after I had taken advantages of the various ~~[illegible]~~ cross-conversations to avoid a direct answer. Could not even get away with generalized statement we would destroy, they pressed for both "how" and "where". (I hate to commit us to a future course of action.)

DUPLICATE Signed Frank

cc & Chuck

Date | Signed

45 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

841400040

To George | At

Subject U S Army Engineers | Date 1/12/66

Here is a letter covering both the complaint & previous reported. Well you have a copy plotted for me?

I judge this as their #1 "gentle" approach.

We should have caused guidance in handling. It can be answered or ignored - so-far as answering. Best bet is to take technique for having a "second-in command" as answer. But - we must keep in mind the fundamental problem - & everything (except status as read from Adj T) goes to the book

RETURN TO Signed

Dec 66 (the June) was the leaking acid pit which we hope we have corrected - the other (Dec) was a pump failure in acid system at last - & they were advised with the earlier at time.

As inspectors told me he was leaving the district so we can expect the follow-up will be made by a man who will be a stranger to us.

Date | Signed

45 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY

841400041

To George At

Subject U.S. Army Engineers Date 12/22/65

This will accompany the 12/7/65 visitation as I feel sure a citation is going to result. (I told you of this verbally)

Investigator Hackett, accompanied by a Mr Young of the N.J. Mosquito Commission took a sample of the brook from tidal water up to our plant and said we were cause of acid in the sewer.

I feel we convinced him that cause was malfunction of our acid collection system, and if so, citation (if it comes) should be relatively easy to handle.

RETURN TO → Signed Paul

12/12/65 Receive WANSL Case 65-294

separate file

Date Signed

45 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT

PART 2 WILL BE RETURNED WITH REPLY

12/30 12/3 11/23 11/9 10/15 9/27 9/13 8/14 7/14 7/16
12/10 11/16 10/21 10/4 9/20 8/16
11/2

Brook

6/28/65 U.S Army Engineers inspect. (Hackett). Found acid in Bay on Lot 6/26. Finds own leak from acid pit.

6/28 Yes Yes

7/7 no hear 7/14 no hear 7/16 No hear

8/4 No hear 8/10 No hear 8/17 No hear 8/16 Yes

8/23 Visits on other peoples problems. Says we will still hear - their lab very close - sometimes 3 mos

8/24 Yes

9/15 No hear 9/20 No hear 9/27 No hear 10/6 no hear

10/15 No hear 10/26 No hear 11/2 No hear

11/9 No hear 11/16 no hear 11/23 No hear 12/3 No hear

12/22 No hear

1/3/66 No hear - altho' Hackett has been in several times.

To file

1/12/66 Receive letter NAVSL Case # 65-294

L & GS separate file

841400042

Chuck Motta Jr CPM
then 8

Mr Chas Motta Sr Cm
then 8

~~Bill Hoffman~~
then 8

FWM

FWM

Water Samples

8 Feb 66

	Acid Pond	Stream
pH	3.15	7.5
cc 1N NaOH per 100cc sample to pH 7.0	10.0 Strong buffering Large floc ppted	1.3 No buffering action No ppt.
Sulfates	High	Very low
Chlorides	High	High
Odor	Solvent (MCB?)	Sulfide
Diazotized & cross spotted w/ β naphthol	Red coupling	Blue coupling

841400045

To George | At

Subject U.S. Army Engineers | Date 2/9/66

The same 2 man team who was here 2/8 (and which I reported verbally) returned today for a long long visit.

Basic investigation concerns discolored and acid brook.

Discussed the evidence gathered yesterday that it was not the acid pit.

Our effluent held near neutral and good color all of morning including first 1½ hours or so of their visit. Then:

Chuck went with them and walked the brook upstream from Chem-Lime. It was red and DUPLICATE Signed acid all the way down. Chuck could not find any acid entering at time of tour. The acid and redness extended back to our plant.

When they arrived at our effluent pipe we were running acid and red!! And shouldn't have been! Traced the acid to press liquor on PDC chloramphenicol filtration. After the main body of acid wash water was being collected, enough was routing itself across floor to regular sewer to turn that sewer acid.

It was easily noticeably in the sewer

Date | Signed

45 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

(2)

841400046

To | At

Subject | Date

pit that when the acid waste from Bldg 7 (colorless) met the alumex colorless waste from Bldg 4 - the combined effluent was red.

We would appear well looked. The investigators made no commitments about future action but feel sure we will be cited.

We agreed in the spirit of cooperation to shut down the acid flow, (did) make permanent remedy, (easily done) and to do our best to flush the work of reducers and acid. This not easy but we'll take a shot at it.

Inspection team will return!

Frank

DUPLICATE

Signed

Date | Signed

4S 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

841400047

Army Engineers

2/8/66 Victor A. Thomas

2/8/

They are investigating complaint by ship
We have had work by our property and acid.
Why ? They ask us to phone in results of investigate
We analyze us acid pit - is not the same.
See comparison
But why acid & color ?

2/8 X(o)

2/9 To CPM f/ & call in info they want

841400048

To George | At

Subject CHEMICAL TANKERS, INC | Date 2/15/66

17 BATTERY PLACE NY 4 NY

PHONE WH-4-6690

This afternoon we were visited by Mr ROBT B. MITCHELL, JR, President of Chemical Tankers and a Mr Ross of the same firm. The announced purpose of their visit was to resolve the problem of their ship which they said was being damaged by polluted water.

They listed these statistics, a ship worth 5 million dollars, was incurring repairs of $100000 & $200000 per year, took on 4000 tons of water as ballast on each visit here (docks @ Bellanese), used water for cooling etc etc - have extensive damage & DUPLICATE Signed brass and bronze pump parts etc. Dirty water then a 14" line. Their ballast tanks aren't having normal life. Consider source of problem ~~are~~ is the mooring.

Stated that they had visited all the chemical companies in the area.

Listened politely and exchanged small talk and indicated I understood their problem. Assured them we were not putting any acid in the brook and that as a corporate policy we were dedicated to keeping acid out of it. Indicated I knew of problem

Date | Signed

45 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

(2)

841400049

To | At

Subject | Date

from the Harbor Patrol and that indeed, the brook had been acid last week from some un-known source. If it had been us, we were unable to locate the source with a careful investigation.

When they said the river and the brook was now at a pH of 1. Told them if this was so, it was not acid from our plant. Phoned Chuck & jump into his car and see if he could find any thing out -

[We were not discharging any acid nor had we discharged any. As matter of fact, we voluntarily alkalized the brook Sunday afternoon & avoid any stigma from the

DUPLICATE ~~Signed~~

acid in the brook which was not cleaning. This - plus Sundays flooding should have had everything cleaned out from the previous weeks problem. I had checked the brook about 10 min before they came and found it nicely neutral, both our effluent, and the brook side of the acid pit.]

Right after I had made a positive statement that the current acid was not from us, (maybe it was just coincidence and they thought the

Date | Signed

45 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

(3)

841400050

To | At

Subject | Date

time to "move in" had come), the tone of the meeting changed fairly rapidly.

I quickly discovered that they had a fairly complete history of our relations with the Army Engineers and knew the dates of the "citations" — that they were under the impression that our acid pit leaked to the creek (true if reference is to last June, false if reference is to last week) — that they knew names of inspectors — that they had analytical figures from an independent lab — etc.

I came to the conclusion that we had been convicted before they

DUPLICATE Signed arrived and that they were annoyed because I did not admit we were cause of the acid. I had the impression one was trying to frighten me and the other was threatening. At any rate, took a 2 on 1 third degree. They fired questions and either did not wait for the answer or found fault with the answer. They showed a deep interest in seeing our plans when the acid pit filled and what would we do under a variety of imaginary situations.

Date | Signed

45 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

841400051

To | At

Subject | Date

altho they had expressed a disinterest in awaiting Chuck's return, he came back while they were still here. I let him report in front of them. He had indeed found the acid in the black down near Avenue C (pH=1) However, he traced it back and found no acid a few hundred feet upstream. He found no acid as the track approached Avenue P from the downstream side and no acid upstream of Avenue P.

Neither Mr Mitchell or Mr Evans were pleased with this finding and it appeared that they closed the meeting abruptly.

DUPLICATE

Signed

Here is paraphrasing of what I construe as threats (or veiled threats)

(A) If done was going to admit the acid today, Mr Hammons (U.S. Army Engineers) would have to put his boots on tomorrow and legally pinpoint the culprit.

(B) Since we insisted it wasn't us, they would have to refer the matter to the USAE

(C) No stone would be left un-turned

(D) Someone had to admit it and file a program

Signed

(5)

841400052

To | At

Subject | Date

of connection with Mr Mitchell — or that someone would end up talking dollars with him — a lot of dollars.

(E) That their past costs had been very high.

(E) That they were now ~~spending a considerable sum~~ undergoing a considerable expense to locate the source (I took this to mean the analysis and cost of their time to visit plants) (I wonder if they visited any but us??)

It was not a pleasant meeting for me.

DUPLICATE Signed

Altho' our normal processing tonight would not put acid into the brook, [redacted] we rearranged productions so to get tanks available to hold the acid for daytime neutralization. This pure safety measure — obviating possibility of human error as might shift.

I judge we can not now stand an error — for to take a serious view of today's events. Will try to find out where from comes the acid — as I truly puzzled — and sure it was not from us! Meantime, could stand any counsel available.

Date | Signed Frank

45 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

841400053

To George At

Subject Book Date 2/17/66

As we agreed, I called with the Tauber people and the NY Harbor group of the Army Engineers. Had nice chat with Mr Mitchell of Chemical Tauber Inc. He seemed pleased that we called. Re case of "Exxon", thought best not to go any head of the investigation or case. Reached Mr Shamaus and had long long talk about generally speaking. I was left impression I was talking "for the fair".

Re last 2 cases gave results of our 3 day telescope work as much as you would expect.

Here is summary of things of importance from the talk with Mr SHAMAUS:

(A) He feels I am unnecessarily concerned about being blamed for something we did not do. He has carefully documented samples from in custom labs and feels analytical results will give positive evidence in non-complicated technical manner (cont.

(B) He definitely is interested one time paid one time

(C) He associates a lot of activity with Mr Hassan

(D) He has interested people in all positive along Hook. We are only one who has connection

RETURN TO Signed

Date Signed

45 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

v

841400054

To | At

Subject | Date

to track who uses acid. When I could not lead him into even suspecting he might not have all of correct info, told him that to best of my knowledge Chem-Tine's business included custom neutralization of other peoples acids - and at Newark. (Chalk up one more enemy!). He allowed that even if this was so, and even if they got into the book (I do not know if it is there!) it would be a great coincidence if their meth was red. I did not tell him this, but I felt I had Chem Tine had contract with Hadmon

RETURN TO → Signed and Hadmon's filtrates might well be red. (I didn't want to upset the close to a Plater customer).

(E) After long long talk - I presume Dayton has to re-open case for at least 1 more test. He is going to meet me Wed in 2/25 10AM Pay whoever is doing it is closer to there (I see it does not occur every day) - Ask that he do not have same problem ever occur

Date | Signed

45 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

841400055

2/22

Victor

Mr Shannon – Harbor Patrol – have date for

Wednesday 10 AM 2/23

2/17 & CPM X(v)

2/22 Remind CPM

2/23/66 We meet – he agrees & de-spec.

X(v)

Asks for copy of new deadlines

2/23 & mail cc Covering letter & Mr S

841400056

To George At [redacted]

Subject Brook Date 12/1/64

This will confirm verbal report.

Mr Evans of Chemical Tankers visited Foreign Inn
work clothes. I showed him our accumulated
evidence and made the pitch you would expect (S
to, and convince him we were not putting acid in
the brook and to persuade him to do more searching)

Sent CPM off with him downstream & even
east of the P. By exposed sampling and with tide
flow in mind, Chemtex isolated the stirring acid
area, and also showed brook was mutual upstream

RETURN TO Signed David Allen

Mr Evans entered area by private property
and quickly found an acid pit with a leaky pipe.
The leaking acid found its way directly into
bank of the brook and into the brook itself.

Mr Evans returned and told me he was convinced
& was not to. He phoned the U.S.P.E. Director (Mr)
& collect evidence (samples & photographs) that
Mr Mitchel (President of CT), told him he was convinced & we were

Date Signed Not source. Tom

45 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

841400057

To [illegible]

At

Subject [illegible]

Date [illegible]

Vic Thommes of US Army Engineers called today (phone) and told me Colonel's investigation indicated we were not getting all of the rock.

The source has been found and action taken. Correction is imminent.

RETURN TO

Signed [illegible]

Date

Signed

4S 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

VICTOR A. SHAMMAS
INVESTIGATOR
HARBOR SUPERVISION BRANCH
U. S. ARMY ENGINEER DISTRICT, NEW YORK

AREA CODE 201
HENDERSON 3-6110
3-6111

111 EAST 16TH STREET
NEW YORK 3, N. Y.

Alliance Color & Chemical Co
33 Avenue P
Newark, NJ 07105

At

Subject U.S. Army Engineers | Date 12/23/66

Greenville Station
Caven Point
Jersey City NJ

Dear Mr Shammas,

Here are copies of the pH readings on the book which you saw this morning and which covers a recent reasonable period of time.

Thanks again for your interest and for the time you took to meet with us.

RETURNED Signed Sincerely,

Frank W. May

George —

Mr Shammas asked for these and I could see no harm in giving him copies as long as we retained the originals. He said they were to show to his supervisor and I presume evidence in support of pending case

Date | Signed Frank

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

4S 474 Rediform®

841400058

CORPS OF ENGINEERS, U. S. ARMY
SUPERVISOR OF NEW YORK HARBOR
111 EAST 16TH STREET
NEW YORK, N. Y. 10003

841400060

IN REPLY REFER TO

NANSL
Case No. 65-294

9 March 1966

Alliance Color & Chemical Co.
33 Avenue P
Newark, New Jersey 07105

Gentlemen:

Reference is made to our letter of 11 January 1966 and your letter of reply dated 20 January 1966 concerning the illegal discharge of acid into Newark Bay in violation of Federal Statutes (U.S.C. Title 33, Section 407).

On several occasions, during the month of February 1966, inspections revealed that acid was still being deposited into the bay. We are aware that you are attempting to correct the situation, however, investigation disclosed that action taken to date had not completely negated the pollution.

Expeditious correction is of primary importance since the materials deposited have been found to be excessively acidic and injurious to navigation.

A reinspection will be conducted to insure compliance with the cited Federal Statute.

Very truly yours,

F. R. ULRICH
Major, Military Police Corps
Assistant Supervisor of
New York Harbor

Please return
this or a xerox for Howard file

Rec'd 3/11/66

Check 1134.26

Net and return

841400061

March 24, 1966

F. R. Ulrich, Major, Military Police Corps
Assistant Supervisor of New York Harbor
Corps of Engineers, U. S. Army
111 East 16th Street
New York, New York 10003

Dear Major Ulrich:

Reference: NANSL-Case No. 65-294

This will acknowledge your letter of March 9, 1966, and present a summary of our Company's actions during the trying days of February.

Corrective measures detailed in January had been successful, and we were, frankly, puzzled when we heard that acid in the bay was being traced to the brook outfall. Routine supervision of our flow did not show even a one time incident which could account for any part of the problem.

It was a real blow when the plant suffered a system failure on March 9th and its effluent ran acid for a brief period of time.

Although we are not attempting to excuse this violation, it was, nevertheless, a small, minor leak. Shutdown followed in a matter of minutes, and repair was made promptly. No one at Alliance could visualize this small trickle as the source of the problem in the bay. However, everyone recognized the seriousness of the situation. We elected to increase our watch on the effluent and to begin to monitor the brook along our property, and to do this with only highly placed supervisors.

After a few days on this regime, representatives of a steamship company visited and said that the brook was running acid at that time in the downstream areas. This was confirmed as so. This, despite the fact that we had numerous and continued neutral readings on the brook in the upstream areas near our plant.

The only possible way to explain this (and past puzzles) was to theorize that an acid stream was entering the brook at some point downstream of Alliance.

An equally disturbing thought began to emerge at this time, and this was that Alliance was being considered the source of any acid in the brook, whether or not they were in fact the contributor.

In view of this, we felt it necessary to go to some extremes in an attempt to establish that we were not the cause of the acid waters. Production was both cancelled and rescheduled, and every effort was made to insure that we would not be a victim of mechanical or human failures. Then the monitoring of the brook was extended to its length insofar as it could be done without violating property rights of others. Readings of the brook's pH at various points were recorded together with time and date, and all correlated to the tide (because the outfall has a tide gate).

In a few days evidence enough existed to convince us that there was an acid stream entering a branch of the brook somewhere between Avenue P and Doremus Avenue and that this stream accounted for the acid in the brook and in the bay.

With this evidence in hand, we asked your people to re-investigate or, if the case was considered closed, to re-open it. After meeting with us, Mr. Shammas agreed to a new look at the matter.

Undoubtedly, reports of subsequent findings are at your finger tips so there is no need to write further, except to add that it is our understanding an acid stream was indeed located and that it is unassociated with Alliance.

Let me reiterate that, as a matter of Corporate policy, we are dedicated to keeping acids out of this brook and welcome both any help that your people can give us and any inspection team that cares to visit at any time.

F. R. Ulrich, Major, Military Police Corps March 24, 1966

In closing, I'd like to take a moment to tell you that your field people have our highest praise. There has never been an instance which could lead us to say less than the best about them.

Sincerely,

ALLIANCE COLOR AND CHEMICAL CO.

Frank W. May
General Manager

FWM: ao

841400064

To George At

Subject Burch Date 3/23/66

For the record -

Investigators Shamma of the U.S Army Engineers met today with us at our request. CPN # was present during a portion of the meeting.

I showed the Shammas our findings of strong acid in the lower trenches of the block - gathered over the recent past - noted, timed and corrected dates.

Did my best to convince him we had taken every precaution to insure that no equipment failure nor personnel error could have occurred recently & that we had undertaken contamination

RETURN TO Signed and to convince him we were dedicated to keeping acid out of the block. Assured him we were not trying to waste out of pocket $ knowing had occurred (a short term rise of acid from a system failure)

Tone of meeting was good & open

Mr Shamma agreed to keep the lines open & to keep us informed as to our findings & actions & to keep us informed and agreed to prepare an Aide Memoire

Date Signed

45 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY.

Shamma says he ran investigation of Brook on Sat: 2/12/66.

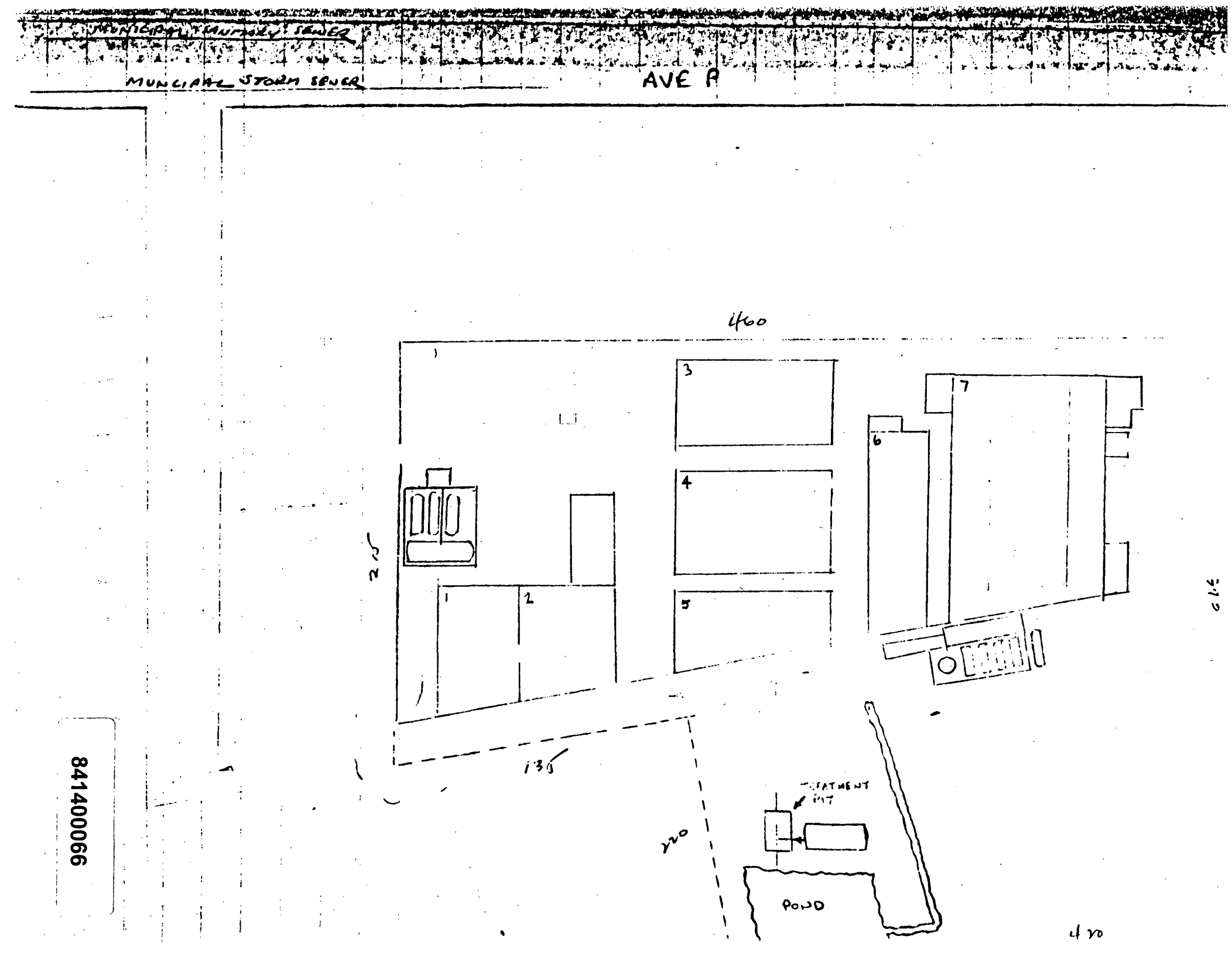
Found it red. Sulfuric was acid.

We should have been in super fine shape! Might have been red but definitely not acid

~~Expert~~

(A) We had alkalized Tue night & got rid of the "mystery" acid lying in Brook.

(B) We had no acid runs to even allow for some kind of a foul up.


MUNICIPAL STORM SEWER
AVE R
1460
1
2
3
4
5
6
7
135
TREATMENT UNIT
POND
84140066

SAMPLE TYPE/ NUMBER	BSA NUMBER	TIME COLLECTED	SAMPLERS	DESCRIPTION/LOCATION
Soil-8 TCL+30 PHC VO's	10199833 10199841	1205-1217	C. Holstrom	Collect at surface level from a mound. The area was void of vegetation. Sample is described as a dark sand with an oily substance in it. The sample was collected west of building #7.
Soil-9 TCL+30 VO's	10199834	1201-1215	D. Multese	Sample was collected at a depth of two feet in area void of vegetation. The top one foot was a red cl the second foot was black and sandy with buildi debris mixed in. Sample was collected. Sample was collected west of building #8
Soil-10 TCL+30 VO's PHC	10199835 10199842	1225-1240	B. Torpey	Sample was collected at surface level. The soil was dark and oily with amounts of gravel in The sample had an organic odor.
Soil-11 Soil-13(Dup) TCL+30 VO's PHC	10199836 10199843 10199837	1225-1240	C. Holstrom	Samples were collected at a surface level in an void of vegetation, on the south side of the site. The soil was dark and oily with gold flecks mi in.

841400067

SAMPLE TYPE/ NUMBER	BSA NUMBER	TIME COLLECTED	SAMPLERS	DESCRIPTION/LOCATION
Soil-1 TCL+30 VO's	10199826	1037-1042	K. Kloo D. Maltese	Collected at 3 inches and described as dark, silty, fi Soil, AREA WAS void of vegetation. Located at North west corner by fence
Soil-2 CL+30 VO's DIOXIN	10199827	1059-1115	D. Maltese	Collected at a depth of six feet, Described as dark silty, soil with plastic debris and an organic odor. The ar is slightly west and North of Aqua Ammonia storage ta and is void of vegetation.
Soil-3 CL+30 VO DIOXIN	10199828	1105-1120	B. Trapey	Collected at a depth of one to one and half feet. Described as Red clay with Black streaks. The area is southwest of the Aqua Ammonia storage tanks, and has limited vegetation
Soil-4 TCL+30 VO	10199829	1107-1115	K. Kloo	Collected at five feet. Described as dark, with pieces of debris and a strong organic odor. Collected from an area west of the Aqua Ammonia tank near the fence line.
Soil-5 TCL+30 VO's DIOXIN	10199830	1118-1125	C. Halstrom	Collected at Two and one half feet. Described as Black oily, silty soil with a possible organic odor. Collected from an area west of the sewer collection Basin, with limited vegetation.
Soil-7 TCL+30 VO's DIOXIN	10199832	11:57-12:15	K. Kloo	Collected at a depth of four feet, Described as dark organic material, mixed with fine gray sand and debris with a strong organic odor. Sample was collected in an area of limited vegetation South of the Sewer collecti Basin.

841400068

TABLE - 1

SITE: Alliance Chemical
LOCATION: 309-327 Ave P
Newark, Essex County, N. J.

SUMMARY OF SAMPLING DATA
VOLATILES

DATE SAMPLED October 19, 1984
SAMPLE NO.
MATRIX - Soil
UNITS

	S-1	S-2	S-3	S-4	S-5	S-7	S-8	S-9	S-10	S-11	S-13
Chloromethane											
Bromomethane											
Vinyl Chloride											
Chloroethane											
Methylene Chloride	28	12,000	20(JD)				12		17(JD)	23	18D
Acetone	61	8,500	110(D)				44	580(J)	300(D)	61	48 BD
Carbon Disulfide											
1,1-Dichloroethene											
1,1-Dichloroethane											
1,2-Dichloroethene											
Chloroform											
1,2-Dichloroethane											
2-Butanone											
1,1,1-Trichloroethane											
Carbon Tetrachloride											
Xylenes	9	190,000E	140D	890(D)	930(J)	1100		1800	30(JD)	63	84(D)
			2/11	1235	570	33,300	20	19400	1007	426	25

SUMMARY OF SAMPLING DATA
VOLATILES (CONT.)

DATE SAMPLED Oct. 19, 1989
SAMPLE NO.
MATRIX - Soil
UNITS

	S-1	S-2	S-3	S-4	S-5	S-7	S-8	S-9	S-10	S-11	S-13
Vinyl Acetate											
Bromodichloromethane											
1,1,2,2-Tetrachloroethane			10 JD								
1,2-Dichloropropane											
trans-1,3-Dichloropropene											
Trichloroethene											
Dibromochloromethane											
1,1,2-Trichloroethane											
Benzene			1	18 (JD)						7	5 JD.
cis-1,3-Dichloropropene											
Bromoform											
4-Methyl-2-Pentanone											
2-Hexanone											
Tetrachloroethene											
Toluene		5,900.	220 (D)	420 (D)					49 (D)	15	160
Chlorobenzene	15	310,000 (E)	31 (D)	1200 (D)	11000		6		29 (JD)	180	260
Ethylbenzene		32,400		180 (D)	210 (J)	1400		370 (J)		18	22.

3 J

TABLE-2

SUMMARY OF SAMPLING DATA
SEMI-VOLATILE COMPOUNDS

DATE SAMPLED Oct. 19, 1989
SAMPLE NO. . . .
MATRIX - Soil
UNITS

	S-1	S-2	S-3	S-4	S-5	S-7	S-8	S-9	S-10	S-11	S-
Phenol											
bis(2-Chloroethyl) ether											
2-Chlorophenol											
1,3-Dichlorobenzene					43(J)						
1,4-Dichlorobenzene		4,200(J)		4,600(J)	730(J)	520(J)		120(J)			
Benzyl alcohol											
1,2-Dichlorobenzene											
2-Methylphenol				2900(J)							
bis(2-Chloroisopropyl) ether											
4-Methylphenol											
N-Nitroso-di-n-propylamine											
Hexachloroethane											
Nitrobenzene											
Isophorone											
2-Nitrophenol											
2,4-Dimethylphenol											
Benzoic acid											
TT(	388,000	11,600	345,400	2,813,000	762,400	169,400	38,650	76300	1,21[illegible]	12,556,000	43,4

SUMMARY OF SAMPLING DATA
SEMI-VOLATILE COMPOUNDS (CONT.)

DATE SAMPLED - Oct 19, 1989
SAMPLE NO.
MATRIX - Soil
UNITS

	S-1	S-2	S-3	S-4	S-5	S-7	S-8	S-9	S-10	S-11
bis (2-Chloroethoxy) methane										
2,4-Dichlorophenol				14,000(J)	7400		280(J)			
1,2,4-Trichlorobenzene	28,000(J)	7600(J)	5200(J)	13,000 (J)	5200	140(J)				
Naphthalene	8,700(J)	2700 (J)		3100 (J)	1300 (J)	6600	1,300 (J)	25000		
4-Chloroaniline					2600(J)					
Hexachlorobutadiene										
4-Chloro-3-methylphenol										
2-Methylnaphthalene					2000(J)	1000(J)	1100(J)	1300(J)		
Hexachlorocyclopentadiene										
2,4,6-Trichlorophenol										
2,4,5-Trichlorophenol				3,600(J)						
2-Chloronaphthalene										
2-Nitroaniline										11000
Dimethylphthalate										
Acenaphthylene						110(J)	280(J)	180(J)		
2,6-Dinitrotoluene										

SUMMARY OF SAMPLING DATA
SEMI-VOLATILE COMPOUNDS (CONT.)

DATE SAMPLED - Oct. 19, 1989
SAMPLE NO.
MATRIX - Soil
UNITS

	S-13
bis (2-Chloroethoxy) methane	
2,4-Dichlorophenol	
1,2,4-Trichlorobenzene	
Naphthalene	
4-Chloroaniline	
Hexachlorobutadiene	
4-Chloro-3-methylphenol	
2-Methylnaphthalene	
Hexachlorocyclopentadiene	
2,4,6-Trichlorophenol	
2,4,5-Trichlorophenol	
2-Chloronaphthalene	
2-Nitroaniline	110,000(J)
Dimethylphthalate	
Acenaphthylene	
2,6-Dinitrotoluene	

SUMMARY OF SAMPLING DATA
SEMI-VOLATILE COMPOUNDS (CONT.)

DATE SAMPLED - Oct. 19, 1989
SAMPLE NO.
MATRIX - Soil
UNITS

	S-1	S-2	S-3	S-4	S-5	S-7	S-8	S-9
3-Nitroaniline								
Acenaphthene						520 (J)		560
2,4-Dinitrophenol								
4-Nitrophenol								
Dibenzofuran						340 (J)	110 (J)	370 (J)
2,4-Nitrotoluene Dinitrotoluene							54 (J)	
Diethylphthalate								
4-Chlorophenyl-phenylether								
Fluorene						560 (J)	240 (J)	630
4-Nitroaniline								
4,6-Dinitro-2-methylphenol								
N-Nitrosodiphenylamine						170 (J)		
4-Bromophenyl-phenylether								
Hexachlorobenzene								
Pentachlorophenol								
Phenanthrene				3900 (J)	2500 J	2900 (J)	2800 (J)	3500
Anthracene					790 J	680 (J)	920 (J)	860

SUMMARY OF SAMPLING DATA
SEMI-VOLATILE COMPOUNDS (CONT.)

DATE SAMPLED - Oct. 19, 1987
SAMPLE NO.
MATRIX - Soil
UNITS

	S-1	S-2	S-3	S-4	S-5	S-7	S-8	S-9	S-10	S-11
Di-n-butylphthalate					710	350(JB)		220(JB)		
Fluoranthene				2800(J)	5700	4500(J)	5400(J)	5100		
Pyrene				4800(J)	3100(J)	2400(J)	4500(J)	2500		
Butylbenzylphthalate								140(J)		
3,3-Dichlorobenzidine		16,000(J)			1,800,000E					
Benzo (a) anthracene	1,000,000				3500(J)	1300(J)	2700(J)	1400		
Chrysene	31,000(J)				4000(J)	1500(J)	2700(J)	1500		
bis(2-Ethylhexyl) phthalate	20,000(J)			5900(J)	2200(J)	24000(D)	170(JD)	15,000(D)		79ax
Di-n-octylphthalate								72(J)		
Benzo (b) fluoranthene					4400(J)	2300(J)	4500(J)	2300		
Benzo (k) fluoranthene										
Benzo (a) pyrene					3700(J)	980(J)	2400(J)	1100		
Indeno (1,2,3-cd) pyrene					4,000(J)	820(J)	790(J)	830(J)		
Dibenz (a,h) anthracene					660(J)			110(J)		
Benzo (g,h,i) perylene					2800(J)	760(J)	690(J)	840(J)		

SUMMARY OF SAMPLING DATA
SEMI-VOLATILE COMPOUNDS (CONT.)

DATE SAMPLED Oct. 15, 1989
SAMPLE NO.
MATRIX - Soil
UNITS

	S-13
Di-n-butylphthalate	
Fluoranthene	
Pyrene	
Butylbenzylphthalate	
3,3-Dichlorobenzidine	
Benzo (a) anthracene	
Chrysene	
bis(2-Ethylhexyl) phthalate	55000 (J)
Di-n-octylphthalate	
Benzo (b) fluoranthene	
Benzo (k) fluoranthene	
Benzo (a) pyrene	
Indeno (1,2,3-cd) pyrene	
Dibenz (a,h) anthracene	
Benzo (g,h,i) perylene	

TABLE-3

SUMMARY OF SAMPLING DATA
PESTICIDES AND PCBs

DATE SAMPLED - Oct. 15, 1987
SAMPLE NO.
MATRIX - Soil
UNITS

None Detected

alpha-BHC
beta-BHC
delta-BHC
gamma-BHC
Heptachlor
Aldrin
Heptachlor epoxide
Endosulfan I
Dieldrin
4,4' -DDE
Endrin
Endosulfan II
4,4' -DDD
Endosulfan sulfate
4,4' -DDT
Methoxychlor
Endrin ketone

SUMMARY OF SAMPLING DATA
PESTICIDES AND PCBs (CONT.)

DATE SAMPLED - OCT 19, 1989
SAMPLE NO.
MATRIX - Soil
UNITS

	S-1	S-2	S-3	S-4	S-5	S-7	S-8	S-9	S-10	S-11	S-13
alpha-Chlordane											
gamma-Chlordane											
Toxaphene											
Aroclor-1016											
Aroclor-1221											
Aroclor-1232											
Aroclor-1242											
Aroclor-1248	16,660 (D)					5000 (D)		4900 (D)			
Aroclor-1254						4900 (D)					
Aroclor-1260											

TABLE -4

SUMMARY OF SAMPLING DATA
METALS
PPM

DATE SAMPLED - Oct 19, 1989
SAMPLE NO.
MATRIX - Soil
UNITS

	S-1	S-2	S-3	S-4	S-5	S-7	S-8	S-9	S-10	S-11	S-13
Aluminum	1630	4540	5400	5350	5250	4630	3010	4950	1420	2730	3490
Antimony						17.8					
Arsenic	3.5	4.1	6.3	6.3	15.4	7.9	5.5	8.2	3.2	6.1	6.9
Barium	58.2	211	361	811	1420	201	50.9	289	68.9	52.8	52.2
Beryllium	2.7	2.9	4.2	3.7	4.0	2.4	2.3	2.9	2.9	8.0	5.6
Cadmium	1.7	3.8	5.5	11.8	10.9	2.2		6.0		1.11	17.2
Calcium	3920	8530	5860		24400	18300	7320	6790		3730	4960
Chromium	92.6	56.9	26	58.1	38.9	30.4	41.8	61.9	16.3	29.5	44.0
Cobalt											
Copper	103	244	139	207	251	267	63.7	1050	90.9	118	130
Iron	23700	19100	26700	25200	29600	15800	13300	17100	16900	43300	58200
Lead	180	475	420	773	1430	632	171	1040	140	194	250
Magnesium	1580	2350	2430	2760		1660		2250		2620	
Manganese	1550	258	258	354	339	158	730	219	61.9	219	261
Mercury	96.3	2.2	0.27	2.0	1.4	2.7	1.7	2.0	0.28	0.79	0.69
Nickel	36.5	28.5	25.1	39.6	32.0	33.2	13.0	49.5	15.3	30.1	52
Potassium		1580	1890	1840				1870			

SUMMARY OF SAMPLING DATA
METALS (CONT.)

DATE SAMPLED Oct. 19, 1989
SAMPLE NO.
MATRIX - Soil
UNITS

	S-1	S-2	S-3	S-4	S-5	S-7	S-8	S-9	S-10	S-11	S-13
Selenium					2.5			1.8			
Silver											
Sodium	1480			1020							
Thallium											
Vanadium	17.5	19.9	28.5	70.3	41.3	18.8		21.7	12.4	17.3	24.8
Zinc	50.2	5410	7590	8270	13600	608	342	2500	701	5240	10000
Cyanide	0.25	2.6	1.5	4.1	1.4	1.6	0.63	1.4	3.4	16.3	12.3

Other

The seven EPA defined qualifiers to be used are as follows:

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10 U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero. For example, if the sample quantitation limit is 10 ug/L, but a concentration of 3 ug/L is calculated, report it as 3J. The sample quantitation limit must be adjusted for both dilution and percent moisture as discussed for the U flag, so that if a sample with 24% moisture and a 1 to 10 dilution factor has a calculated concentration of 300 ug/L and a sample quantitation limit of 430 ug/kg, report the concentration as 300J on Form I.

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS. Single component pesticides $\geq$10 ng/ul in the final extract shall be confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified TCL compound.

E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. This flag will not apply to pesticides/PCBs analyzed by GC/EC methods. If one or more compounds have a response greater than full scale, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses shall be reported on separate Forms I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

Under the columns labeled "C", "Q", and "M", enter result qualifiers as identified below. If additional qualifiers are used, their explicit definitions must be included on the Cover Page in the Comments section.

FORM I-IN includes fields for three types of result qualifiers. These qualifiers must be completed as follows:

- C (Concentration) qualifier -- Enter "B" if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL). If the analyte was analyzed for but not detected, a "U" must be entered.

- Q qualifier -- Specified entries and their meanings are as follows:

  E - The reported value is estimated because of the presence of interference. An explanatory note must be included under Comments on the Cover Page (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).

  N - Spiked sample recovery not within control limits.

  S - The reported value was determined by the Method of Standard Additions (MSA).

  W - Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance. (See Exhibit E.)

  * - Duplicate analysis not within control limits.

  + - Correlation coefficient for the MSA is less than 0.995.

  Entering "S", "W", or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

- M (Method) qualifier -- Enter:

  - "P" for ICP
  - "A" for Flame AA
  - "F" for Furnace AA
  - "CV" for Manual Cold Vapor AA
  - "AV" for Automated Cold Vapor AA
  - "AS" for Semi-Automated Spectrophotometric
  - "C" for Manual Spectrophotometric
  - "T" for Titrimetric
  - "NR" if the analyte is not required to be analyzed.

A brief physical description of the sample, both before and after digestion, must be reported in the fields for color (before and after), clarity (before and after), texture and artifacts. For water samples, report color and clarity. For soil samples, report color, texture and artifacts.

GENERAL ANALYSIS DATA SHEET

DEP SAMPLE NO.
BSA 10199841
S-8

Lab Name: AnalytiKEM

Lab Code: 04012 Case No. _____ Contract No.: X-195

Matrix: (soil/water) Solid Lab Sample ID: A20370-1

Sample wt/vol: 10.17 (g/mL) g Date Received: 10/19/89

% Moisture: not dec. 15 dec. _____ Date Analyzed: 10/28-11/1/89

Dilution Factor: 1:5

RESULTS

Parameter	Sample Concentration Units: ug/kg dw	Method Blank Units: ug/kg
Petroleum Hydrocarbons, by IR	270,000	20,000 U

841400083

GENERAL ANALYSIS DATA SHEET

DEP SAMPLE NO.
BSA 10199842
S-10

Lab Name: AnalytiKEM

Lab Code: 04012 Case No. _____ Contract No.: X-195

Matrix: (soil/water) Solid Lab Sample ID: A20370-2

Sample wt/vol: 10.12 (g/mL) g Date Received: 10/19/89

% Moisture: not dec. 23 dec. _____ Date Analyzed: 10/28-11/1/89

Dilution Factor: 1:50

RESULTS

Parameter	Sample Concentration Units: ug/kg dw	Method Blank Units: ug/kg
Petroleum Hydrocarbons, by IR	4,800,000	20,000 U

841400084

GENERAL ANALYSIS DATA SHEET

DEP SAMPLE NO.
BSA 10199843
S-11

Lab Name: AnalytiKEM

Lab Code: 04012 Case No. _____ Contract No.: X-195

Matrix: (soil/water) Solid Lab Sample ID: A20370-3

Sample wt/vol: 10.75 (g/mL) g Date Received: 10/19/89

% Moisture: not dec. 10 dec. _____ Date Analyzed: 10/28-11/1/89

Dilution Factor: 1:400

RESULTS

Parameter	Sample Concentration Units: ug/kg dw	Method Blank Units: ug/kg	
Petroleum Hydrocarbons, by IR	100,000,000	20,000	U

841400085

TABLE-2

AnalytiKEM An American NuKEM Company

AnalytiKEM Inc.
28 Springdale Road
Cherry Hill, NJ 08003
609/751-1122
215/923-2068

TABLE-5

Analytical Data Report Package

for the

New Jersey Department of Environmental Protection

Division of Hazardous Waste Management

Trenton, New Jersey 08625

Field Sample #	Laboratory Sample #	Date of Collection
BSA 10199841 S-8	A20370-1	10/19/89
BSA 10199842 S-10	A20370-2	10/19/89
BSA 10199843 S-11	A20370-3	10/19/89

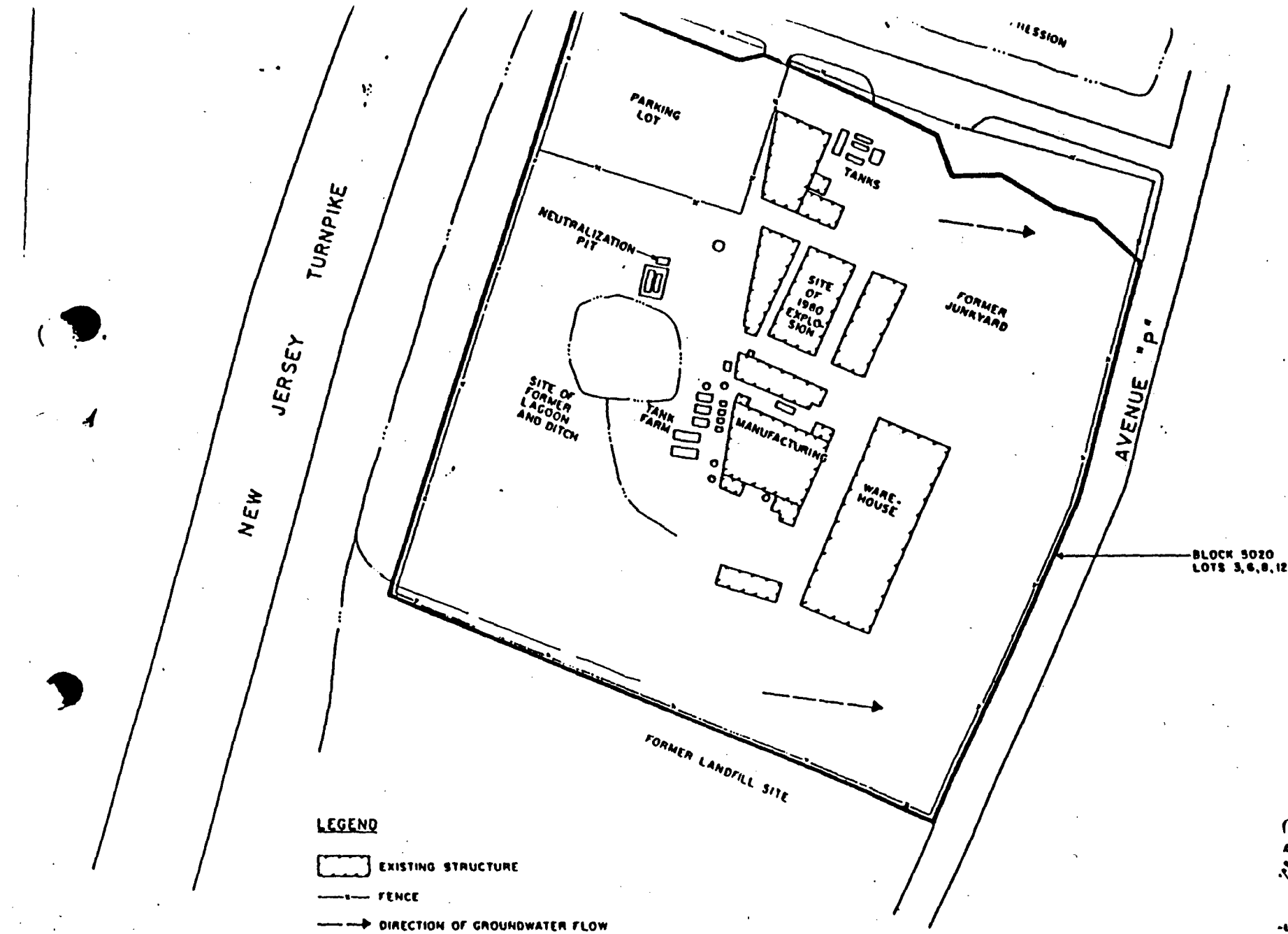
Laboratory Name AnalytiKEM, Inc.

Certification # NJ 04012

Supervisor/Manager Signature Michael Shmookler

Printed Name Michael Shmookler, Ph.D.

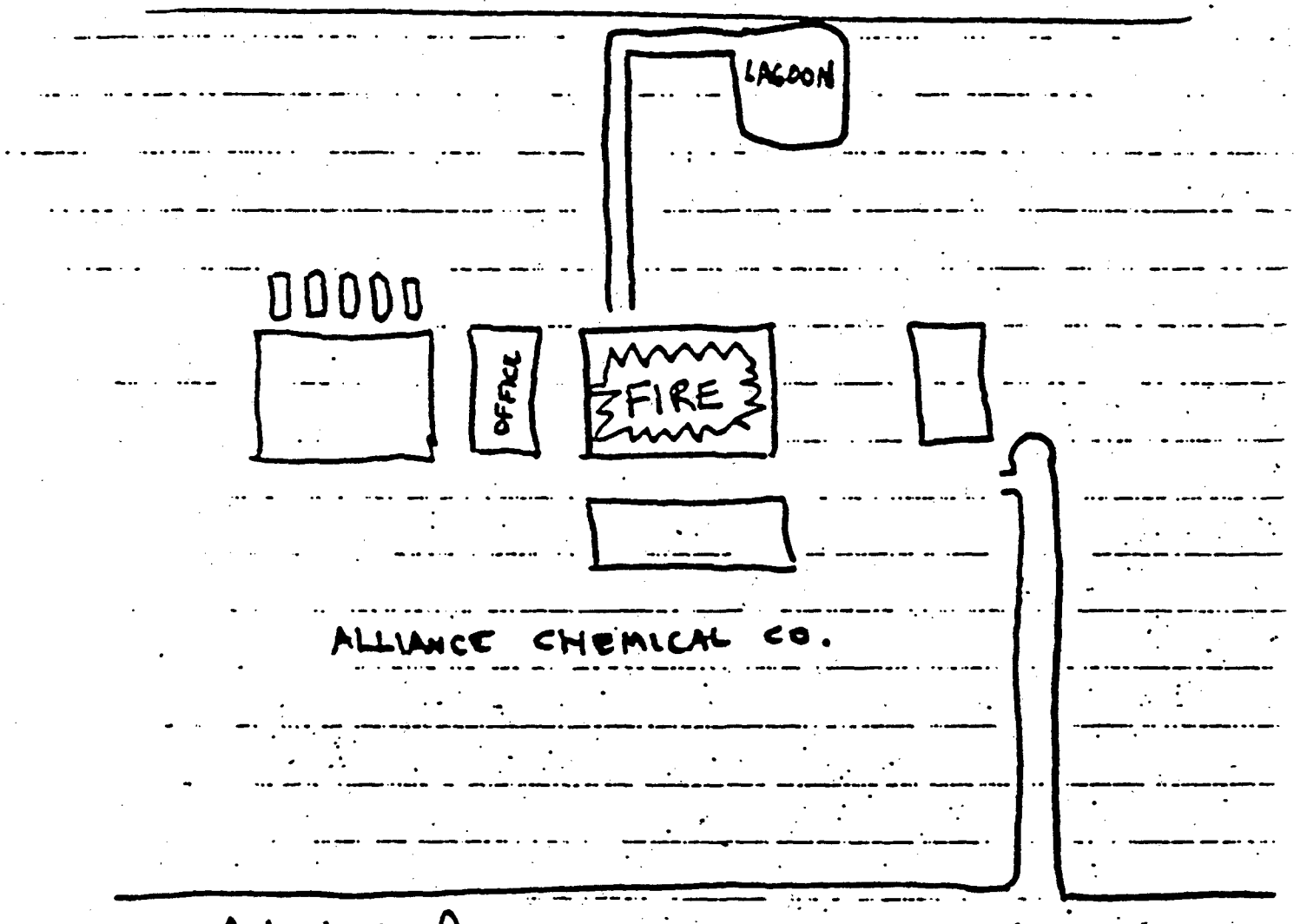
841400086



...PERTY BOUNDARY AND BUILDING
...A SITE PLAN DATED APRIL 19,
...ANCE COLOR AND CHEMICAL CO.
...).

Facility Map
[illegible] Chemical
Newark, New Jersey

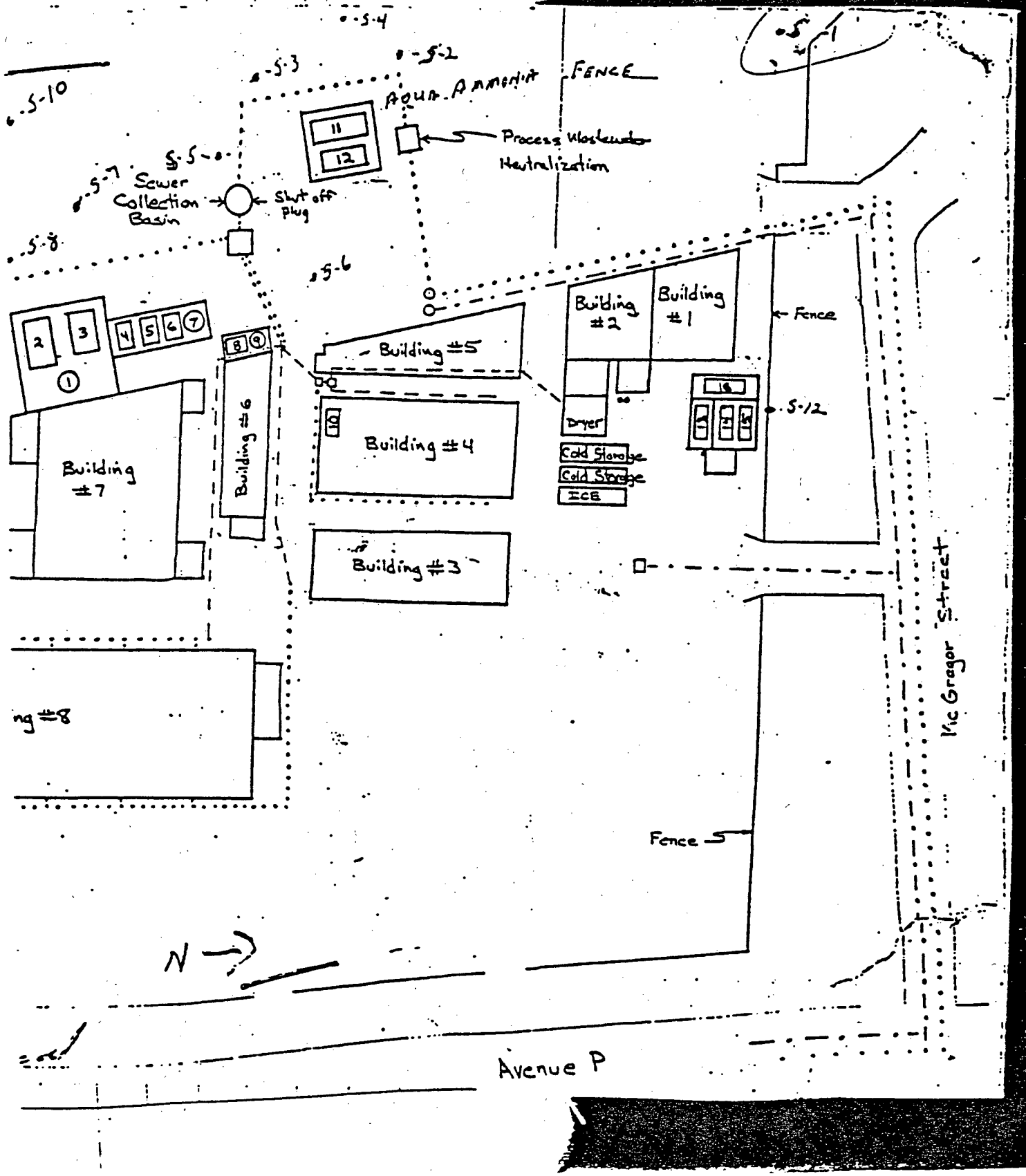
1/10/80 PFISTER - ALLIANCE CHEMICAL
NEWARK, N.J.



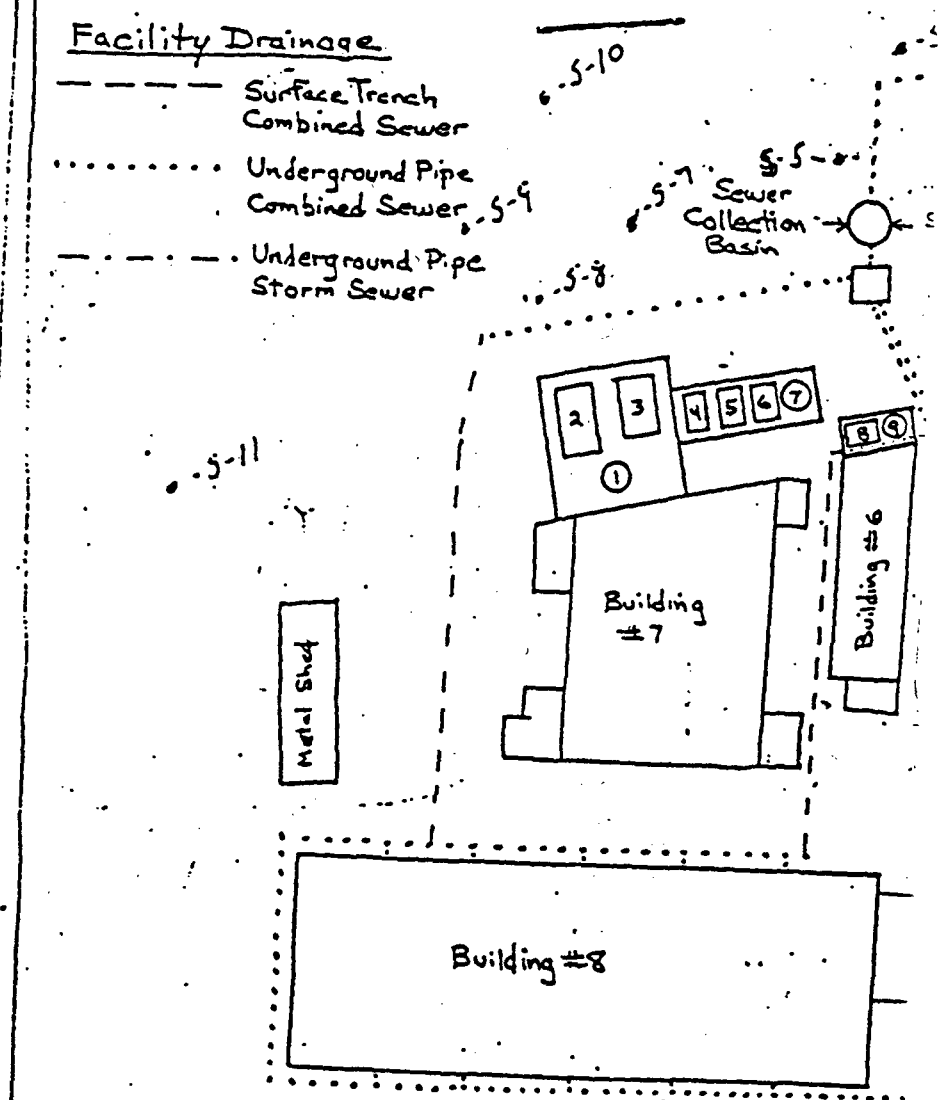
ATTACHMENT A-1

841400088

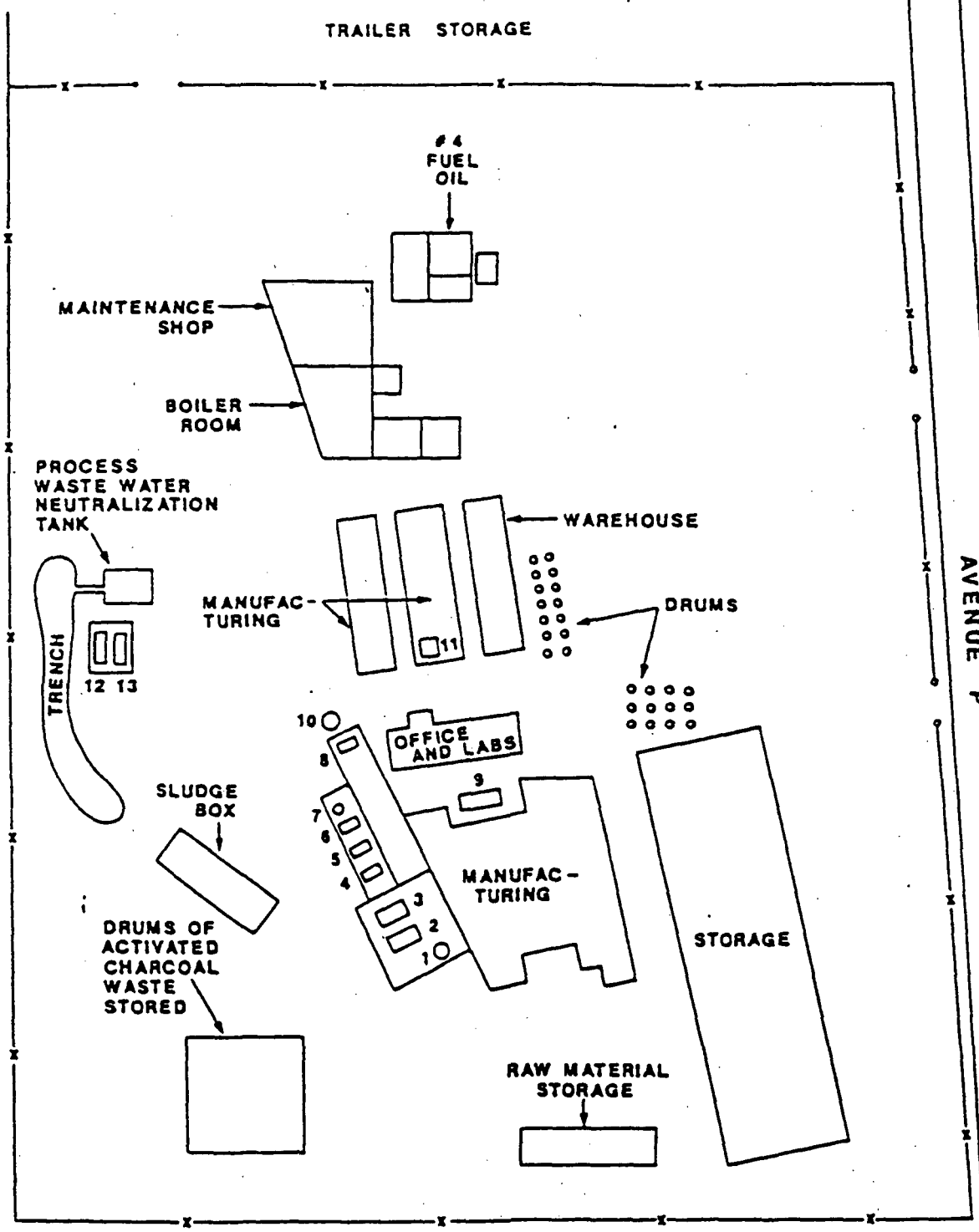
841400089


S-4
S-3
S-2
S-1
S-10
AQUA AMMONIA
FENCE
11
12
Process Wastewater Neutralization
S-9
S-7
Sewer Collection Basin
Shut off plug
S-8
S-6
Building #2
Building #1
Fence
Building #5
2
3
4
5
6
7
1
8
9
Building #6
Building #7
10
Building #4
Dryer
Cold Storage
Cold Storage
ICE
16
17
18
15
S-12
Building #3
Mc Gregor Street
Fence
N
Avenue P

841400090



Alliance Chemical



TANK FARM CODE

1. 50% ZINC CHLORIDE
2. HYDROCHLORIC ACID
3. HYDROCHLORIC ACID
4. MORPHOLINE
5. METHANOL
6. PROPYLENE GLYCOL
7. ISOPROPYL ALCOHOL
8. 98% SULFURIC ACID
9. 50% CAUSTIC
10. 50% SULFURIC ACID
11. HYDROCHLORIC ACID
12. AQUA AMMONIA
13. AQUA AMMONIA

841400091

FIGURE 2

SITE MAP

ALLIANCE CHEMICAL INC., NEWARK, N.J.

NOT TO SCALE

NUS CORPORATION

WASTE CHARACTERIZATION DATA

Exhibit A

841400094

BFI Waste Systems

BROWNING-FERRIS INDUSTRIES

CECOS INTERNATIONAL

PRODUCT CODE

WCD NUMBER

REVIEWED BY

BFI WASTE CODE

IMPORTANT: PLEASE READ INSTRUCTIONS BEFORE COMPLETING THIS FORM

1. **GENERAL INFORMATION:**

a) Generator's Name: Alliance Chemical Inc. b) EPA Generator No: NJD045794971

State Registration No: NJD045794971

c) Generating Facility Complete Address: 309-327 Avenue P Newark, NJ 07105

d) Authorized Company Representative: Roger D. Huth Title: Mgr. Regulatory Affairs

e) Phone Number: 201 945-5400 After Hours Phone Number: 201 945-5400

f) Emergency Contact: Roger D. Huth Title: Mgr. Reg. Affairs Phone 201 945-5400

g) General Description of The Waste: soil contaminated with #4 fuel oil

h) Process Generating Waste: Drippage from storage tank loading line

2. **WASTE PROPERTIES @ 25°C:**

a) Physical State: [X] Solid [ ] Powder [ ] Liquid [ ] Semi-solid (sludge) or [ ] Mixture—Describe _____ Viscosity: [ ] Low [ ] Medium [ ] High

b) Phases/Layers: [X] Single [ ] Bilayered [ ] Multilayered

Percentage Volume Each Layer: Top _____%, _____; Middle _____%, _____; Bottom _____%, _____

c) Density: ~ 12 [X] Lbs./gal. [ ] Lbs./yd.^{3} [ ] g./cc. [ ] Other _____

d) Odor: [ ] None [X] Mild or [ ] Strong [ ] — Describe _____

e) Vapor Pressure (in mm of Hg): < 0.007 psia @100°F (f) Color(s): BROWN TO BLACK

g) pH: 6 - 8 (h) Solubility (g./100 g. H_2O): Insoluble

i) Flash Point: > 140 [X] °F [ ] °C [ ] Open Cup [X] Closed Cup

3. **REACTIVITY:**

Hydrophoric	[ ] Yes [✓] No	Autopolymerizable	[ ] Yes [✓] No	Shock Sensitive	[ ] Yes [✓] No
Acid Reactive	[ ] Yes [✓] No	Alkaline Reactive	[ ] Yes [✓] No	Pyrophoric	[ ] Yes [✓] No
Explosive	[ ] Yes [✓] No	Thermally Sensitive	[ ] Yes [✓] No		

4. **THIS WASTE CONTAINS:**

Biological Materials	[ ] Yes [✓] No	Pathogens	[ ] Yes [✓] No	Pesticides	[ ] Yes [✓] No
Etiological Agents	[ ] Yes [✓] No	Dioxins	[ ] Yes [✓] No	Oils	[✓] Yes [ ] No
Free Cyanide	[ ] Yes [✓] No	Free Sulfide	[ ] Yes [✓] No	Free Ammonia	[ ] Yes [✓] No
Radioactive Materials	[ ] Yes [✓] No	Free Liquids	[ ] Yes [✓] No	Absorbents	[ ] Yes [✓] No
OSHA Carcinogens	[ ] Yes [✓] No	PCBs: (circle one)	A B C D		

If yes, specify type (if applicable) and concentration in the waste composition, Section 5.

5. **COMPLETE WASTE COMPOSITION:**

ORGANIC		INORGANIC	
#4 Fuel Oil	~0.5 %	Soil, Rock	~ 99.5 %

6. Is this waste a "Hazardous Waste" as defined by regulations of the U.S. Environmental Protection Agency pursuant to 40 CFR 261 of the Resource Conservation and Recovery Act? No

Is this a "Hazardous Waste" as defined by State or Local Regulation? Yes, as defined by NJDEP

7. Is a sample included? [ ] Yes [✓] No

8. Anticipated Volume: 12 [ ] Gallons [ ] Tons [ ] Cubic Yards [X] Other drums

Per [ ] Day [ ] Week [ ] Month [ ] Year, or [X] Other one time shipment

To be transported in: [ ] Bulk [ ] CECO-PAK [ ] Drums (type/size) 55 gal. open head steel

BFI WASTE CODE _____ PRODUCT CODE _____

9. **MANIFEST INFORMATION**

Proper USDOT Shipping Name	USDOT Hazard Class	UN or NA No.	Local Haz. Waste No.
Hazardous Waste Solid NOS	ORM-E	NA 9189	X725

USEPA Hazardous Waste No(s). NONE USEPA Haz. Code(s) NONE

10. Required personal protective equipment & handling procedures: Gloves, safety glasses

11. Supplemental information attached: _____ No. of pages _____

12. **GENERATOR'S CERTIFICATION:**

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omissions of composition or properties exists, and that all known or suspected hazards have been disclosed.

GENERATOR'S AUTHORIZED SIGNATORY:

DATE	SIGNATURE	TITLE	INITIALS
7/10/87	Roger D. Hutt	Manager Regulatory Affairs	RDH

13. **THIS SECTION IS FOR REGULATORY AGENCY DOCUMENTATION**

A. APPROVAL STATUS: [ ] ACCEPTABLE [ ] APPROVAL WITHHELD [ ] DISAPPROVED

B. REASONS OR SPECIAL CONDITIONS FOR APPROVAL STATUS:

_____

_____

_____

_____

DATE SIGNATURE TITLE/AGENCY

REPRESENTATIVE SAMPLE CERTIFICATE

This form is to be completed by the person obtaining the sample, preferably a representative of the generator. DO NOT COLLECT OR FORWARD SAMPLES THAT ARE RADIOACTIVE, SHOCK SENSITIVE, EXPLOSIVE, OR PYROPHORIC.

Generator's Company Name _____ Company's Address _____

Location of Sampling: Unit, Pond, Pit, Tank, etc. _____ Process Producing Waste _____

Date Sampled: _____ Time Sampled: _____ AM PM Volume of Sample Collected: _____

Type of Waste: (circle)
Sludge Wastewater Solid Mix Other _____ (specify)

Phases/Layers: (circle) Single Bilayered Multilayered

Type of Sampler: (circle)
Coliwasa Grain Trier Scoop Auger Pond Weighted Bottle Thief Other _____ (specify)

Composite Sample: _____ Number of sub-samples _____ Volume of sub-samples _____

Field Information: (Comments)

_____

_____

I certify this sample is representative of the waste to be managed.

Collector _____ _____ _____

Print Name Signature Telephone Number

_____ _____

Title Company

Rev. 3/86

841400095

Transportation Worksheet

DRIVERS NAME Fred Lilley

UNIT # 276

DATE 9/4/87

CECOS INTERNATIONAL

Generator ALLIANCE CHEMICAL Work Order 261031

Address AVE P. NEWARK NJ Trailer # 1614

Contact ~~~ Service Type VAN

Manifest _____ Pickup Date & Time 9/4 at 10

Product Code 11564 AH13 Delivery Date & Time 9/8 at 8:30

Quantity 2 drums Delivery Location CECOS NJ NY

SOIL CONT WITH fuel

LOADING: Arrival Date & Time 9/4/87 9:30

Departure Date & Time 9/4/87 9:30

Additional Information: Work Order # 261030

Reason For Delay: Charles McEvoy 9/4/87

CUSTOMER SIGNATURE

UNLOADING: Arrival Date & Time _____

Lab In _____

Lab Out _____

Departure Date & Time _____

Reason For Delay:

SITE SIGNATURE

CHARGES:	Customer	Hours	Broker/Unit	Hours	Driver
Weight		Mileage	$	Mileage	$
Loading		Loading	$	Loading	$
Unloading		Unloading	$	Unloading	$
Overnight		Overnight	$	Overnight	$
Other		Other	$	Other	$
Other		Total Charges	$	Total Charges	$
		Driving Hours		Driving Hours	

Circle: Local Run Non Local

Explanation of "Other Charges"

Start Time: _____

State	Toll Miles	Nontoll Miles
Total		

Speedometer Readings

Ending _____

Start _____

Total _____

Fuel Purchases

Date	# Gallons	State Purchased

Finish Time: _____

DRIVER SIGNATURE

841400096

CECOS INTERNATIONAL
CHEMICAL AND ENVIRONMENTAL CONSERVATION SYSTEMS

CECOS INTERNATIONAL - BUFFALO
P O BOX 1361
BUFFALO, NY 14240
716-873-4200 OR 716-282-2676

INVOICE NUMBER: N350350467

INVOICE TO: PFISTER CHEMICAL, INC..

LINDEN AVE.
1335 RIDGEFIELD NJ 07657

WORK ORDER #- 261031

SHIP FROM: ALLIANCE CHEMICAL

WEIGH TICKET- 17572

-303-327 AVE P.
11564 NEWARK NJ 07105

MANIFEST # -NYA5822334

INVOICE DATE: 9/11/87 SALESMAN: CAMFIELD ORDER DATE: 9/03/87 YOUR ORDER NUMBER: P18665

DATE RECEIVED: 9/08/87 VIA: CECOS INTERNATI F.O.B.: CHARGE

PROD. CODE	DESCRIPTION	NET QUANTITY	UNIT PRICE	AMOUNT
11564-AAD	#J SOIL CONTD W/#4 FUEL OIL	2.00 DR 55	75.00	150.00
11564-4FR	SPOTTING CHARGE (STOP OFF CHARGE)	1.00 DAY	150.00	150.00

300.00

TOTAL AMOUNT DUE

TERMS NET 30 DAYS

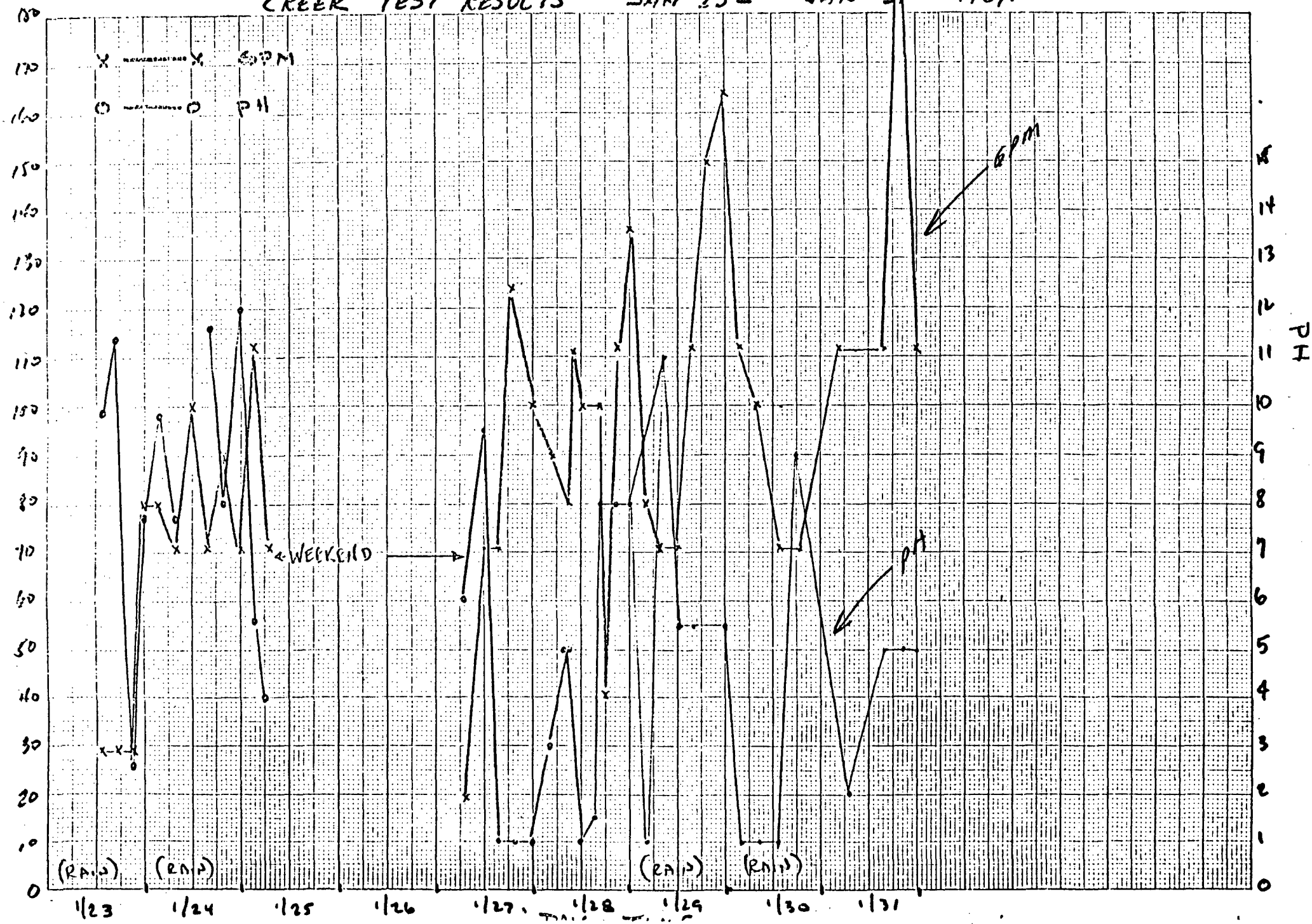
CERTIFICATE OF DISPOSAL: THIS IS TO CERTIFY THAT THE WASTE MATERIALS HEREIN INVOICED HAVE BEEN PROPERLY DISPOSED OF IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS.

Past due balance will be assessed 1-1/2% per month.

841400097

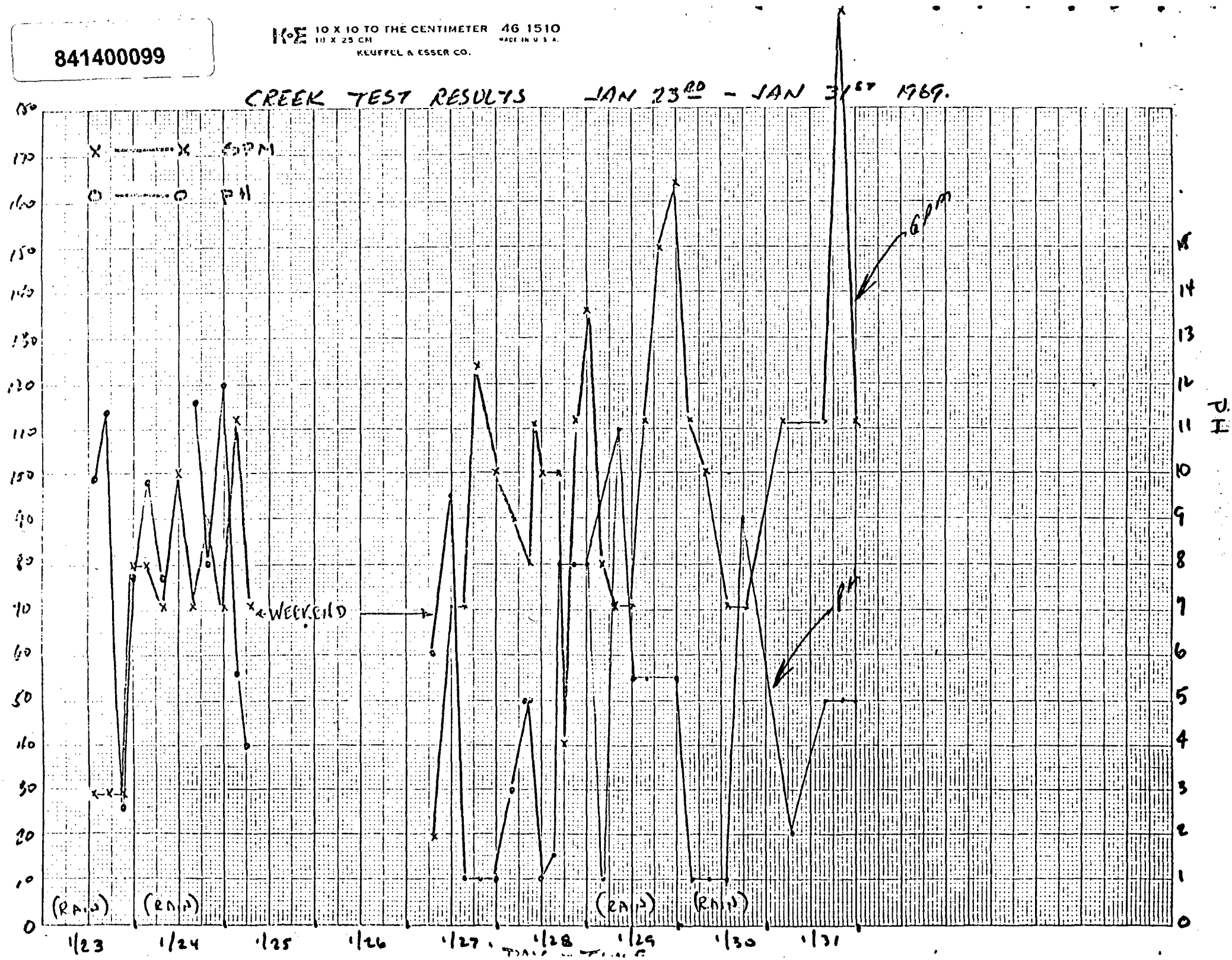
DUPLICATE INVOICE

CREEK TEST RESULTS JAN 23RD - JAN 31ST 1969.



841400099

K&E 10 X 10 TO THE CENTIMETER 46 1510
10 X 25 CM
KEUFFEL & ESSER CO.
MADE IN U.S.A.



TO: FOREMEN AND LAB

FROM: R. B. LEONARD

1-23-64

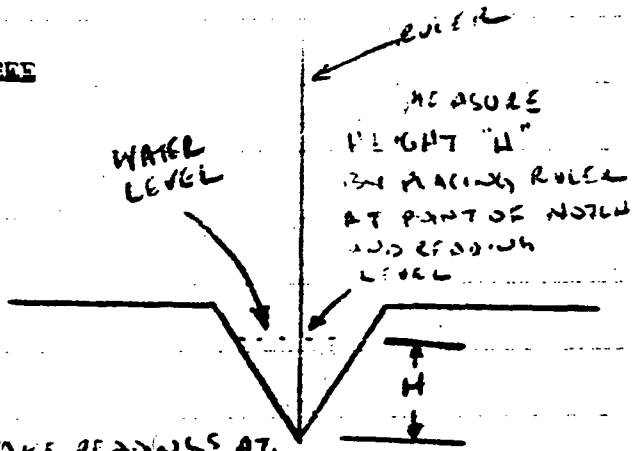
SUBJECT: SAMPLES AND MEASUREMENTS FROM CREEK

STARTING TODAY (TURUSDAY JAN 23 AND CONTINUING THRU NEXT FRIDAY JAN 31st) WE WILL TAKE MEASUREMENTS FROM A WEIR IN THE CREEK AND SAMPLES EVERY ~~FOUR~~ FOUR HOURS. THIS WILL ENABLE US TO DETERMINE THE VOLUME OF WATER DISCHARGING FROM THE PLANT (THE ACID POND IS BLOCKED OFF) AND THE pH CONTROL WE WILL HAVE TO MAINTAIN WHEN WE EVENTUALLY HOOK INTO THE CITY SEWAR SYSTEM.

FOREMEN:

PLEASE MAKE IT YOUR PERSONNEL RESPONSIBILITY TO SEE THAT SAMPLES AND MEASUREMENTS ARE TAKEN AT THE BEGINNING AND MIDDLE OF YOUR SHIFT. MARK THE SAMPLE WITH THE:

DATE
TIME
MEASUREMENT (INCHES)



TAKE MEASUREMENT ACCORDING TO DIAGRAM AT RIGHT.

LEAVE SAMPLES IN FOREMEN'S OFFICE:

(ART: PLEASE GIVE TO LAB IN MORNING)

TAKE READINGS AT.

12 MIDNIGHT
4 AM
8 AM
12 NOON
4 PM
8 PM

LABORATORY:

WILL MEASURE pH OF EACH SAMPLE AND THEN TITRATE WITH CAUSTIC AND REPORT AMOUNT OF CAUSTIC NECESSARY TO NEUTRALIZE TO PH 7.

EVERYBODY MUST COOPERATE IF THE RESULTS ARE TO BE MEANINGFUL.

THANK YOU,

RBL

841400100

2/16/66

Acid pit : 36 x 24 paces

rough 108' x 72

108
72
216
756
7776 sq ft

1" depth = 7776 cu ft

7.48 gals/cu ft

7776
7.48
62208
31104
54432
58164.48

58164 gals/ft

12"/ft

4845
12 | 58164
48
101
96
56
48
64

4845 gals/inch

~~George~~

Harold ←

To | At

Subject Sewage | Date 6/28/65

Today an investigator (BASIL C. HACKETT) for the Harbor Supervision Branch of the U.S. Army Engineers gave the brook and our effluent a thorough going over including the taking of samples. He found the trickle from our acid pond which gets into the brook.

He associated this with large amount of acid detected in river on Saturday and traced to brook. Could not talk him out of this! As sure as can be about these kind of things, that we did not acidify big portion of river (they found acid 75' from shore)

If samples taken ~~Mon~~ today match our DUPLICATE ~~Signed~~ samples taken Sat we will receive a citation. Even if not ours, will probably match as would guess it will test as sulfates as will our leak. If cited, we will have 30 days to correct (or to show cooperation and "probably" to be able to obtain an extension of time)

Very poor land fill makes walls of acid pit a nightmare for leakage. Will not be easy to correct. Also, must consider long term effect of seepage into ground. Does it get into brook underground? ~~Yes~~

Date | Signed

45 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 3 WILL BE RETURNED WITH REPLY

841400102

(2)

To | At

Subject | Date

Or is it collecting underground? We do not want our structures attacked by acid from below.

A problem of the future is the fact that an adverse effect of water recirculation is the loss of the considerable diluent effect of clean water as wastes.

Apparently, the hope from Air Pollution was correct - the area is getting attention from the Army Engineers. Hackett told me almost all water-front plants have been cited. They are very

DUPLICATE Signed

thorough, use a Polaroid camera as well as a Movie camera. Work from both a boat & with a shore patrol. Take samples, measure distances ~~etc~~, records times, etc

Color is another problem! Oil also (inorganics solvents)

Any long term plans we make should include proper handling of our effluents.

Frank

Date | Signed

45 474 Rediform®

SEND PARTS 1 AND 3 WITH CARBONS INTACT
PART 2 WILL BE RETURNED WITH REPLY

841400103

R. Leonard

February 19, 1970

Mr. S. A. Lubetkin
Chief Engineer
Passaic Valley Sewerage Commissioners
790 Broad Street
Newark, New Jersey 07102

Dear Mr. Lubetkin:

In response to your letter of February 16, 1970, we have met with and have obtained an up-to-date realistic time schedule from our contractor, Di Carolis Inc., on the completion of the Alliance Sewer Project.

Since our last letter of January 7, 1970, the manholes have been completed. The remaining work, comprising of in-plant sewer alterations, system tie-ins and utility piping will be completed March 15 at the earliest and April 1, the absolute latest. At that time, our existing system, which discharges into the area drainage ditch will be physically blocked, and all our effluent will be treated and discharged into the Avenue P sanitary and storm sewer systems.

We wish to thank your office and that of the Commissioners for their patience and understanding in allowing us to complete the project in a reasonable manner.

Very truly yours

PFISTER CHEMICAL INC

Judson H. Merl
Plant Engineer

jhm;jng
via: Certified Mail
Return Receipt Requested

bc: Messrs. G. Shulman
R. Leonard

841400104

TO Jud Mexel | AT

SUBJECT "Flammable" material in sewer discharge. | DATE 12-24-69

The material that Lubetkin refers to in his letter cannot be verified without seeing the sample. We have a number of flammable materials in our plant. More than likely it is xylol from the dianisidine process. We attempt to recover all possible xylol from the process but occasionally some will probably escape into the sewer. (AS IT SOMETIMES HAPPENS AT RIDGEFIELD.)

DUPLICATE SIGNED

DATE | SIGNED

Rediform®
4S 469

SEND PARTS 1 AND 3 WITH CARBONS INTACT.
PART 3 WILL BE RETURNED WITH REPLY.

DETACH AND FILE FOR FOLLOW-UP

PASSAIC VALLEY SEWERAGE COMMISSIONERS
790 BROAD STREET
NEWARK, N. J. 07102

R.D.C.

December 18, 1969

Pfister Chemical Inc.
Ridgefield, New Jersey 07657

Attention: Mr. Judson H. Merl, Plant Engineer

Dear Mr. Merl;

A sample taken from your Newark plant of your discharge to Plum Creek on December 10, 1969, was found to be flammable and had a explosimeter reading of 80 per cent. This is a dangerous sample and will not be allowed to be discharged into the sewer when you have completed your connection.

Please determine the source of this material so that it may be isolated from the material you intend to put in the Newark Sewer.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

S. A. Lubetkin,
Chief Engineer

SAL:mr

c.c. to: Commrs. McMahon,
Gordon,
Cuccinello
Perrapato
Biber
Attorney, T. Durkin, Jr.
Messrs. Goldberg
Barcellona,
Cuccinello

Certified Mail

PFISTER CHEMICAL INC Ridgefield, N.J. 07657 | Tel. N.J. 201-945-5400 | N.Y.C. 947-4934

August 13, 1969

Mr. Seymore Lubetkin, Chief Engineer
Passaic Valley Sewerage Commissioners
790 Broad Street
Newark, New Jersey 07102

Dear Mr. Lubetkin:

This letter is intended to supplement our letter to you of June 27, 1969, by confirming our meeting with you in your office on August 7th at which time the entire pollution problem, resolution and time table was discussed.

This meeting was attended by Mr. Charles Motta, Jr., Production Manager for Pfister/Alliance; Mr. John Connors, Project Engineer at Hydroscience, Inc. and the writer.

A subsequent meeting was held on the same day with Mr. Robert Van Riper, Division Engineer, Department of Sewers, Newark, New Jersey and Mr. Richard Gill, Chief Plumbing Inspector, Plumbing Division, Department of Health and Welfare to discuss the required procedures to tie into the Avenue P sanitary and storm sewer.

Based upon discussions with Hydroscience, Inc., and the City of Newark, a time schedule of our ability to comply with your directive is as follows:

1. Hydroscience to complete in-plant survey work, pre-treatment studies, lay out a treatment scheme and submit finding to Pfister by October 15, 1969.

2. Pfister to submit application, plans and specifications to Newark Chief Plumbing Inspector and to Newark Division Engineer, Department of Sewers for approval by September 15, 1969.

3. Providing approval is received from agencies detailed in item (2) by October 1, 1969, Pfister can have all its effluent properly diverted into the Avenue P sanitary and storm sewers by May 1, 1970.

I hope the above time schedule will meet with the Commissions approval. If there are any questions, please feel free to contact us. In the interim, we will keep your office advised of our progress.

Very truly yours,

PFISTER CHEMICAL INC

Judson H. Merl
Plant Engineer

JHM/dt

cc: Messrs. Connors
Motta
Shulman
Leonard

PFIZER CHEMICAL INC. Ridgefield, N.J. 07657 | Tel. N.J. 201-945-8400 | N.Y.C. 247-4000

June 27, 1969

Mr. S. A. Lubetkin
Passaic Valley Sewerage Commissioners
790 Broad Street
Newark, New Jersey 07102

Dear Mr. Lubetkin:

We are in receipt of your letter dated June 26, 1969, regarding water pollution at our Alliance Division Plant, Newark, New Jersey. Our company has already taken two major steps to halt the pollution, which are detailed below.

After six months of continual investigation and expediting with the city of Newark and their consultants, we have finally had completed twin stub tie-in connections to the new sanitary and storm sewers on Avenue P at a cost to our company of $5,000. This phase was expedited so that when we are finally in a position to discharge our treated effluent into the sanitary sewer, it would not have to disturb the new roadway on Avenue P. In addition, we have retained the consultant firm of Hydroscience, Inc. to make the investigation and evaluation of our plant water effluent to determine what is required by our company to properly comply with the requirements of tying into the sewers on Avenue P. Our contact at Hydroscience is Mr. Edwin Barnhart.

At the completion of their investigation, we will then be able to give your Commission a time schedule of our ability to comply with your directive.

I hope that our above unsolicited actions will indicate our good faith in recognizing the problems of water pollution and that we will do everything possible to comply

COPY MADE BEFORE TYPIST MADE CORRECTIONS JM.

at the earliest conceivable date.

Very truly yours,

Judson H. Merl
Plant Engineer

cc: D. Leonard
G. Shulman
C. Motta

Transportation Worksheet

DRIVERS NAME Fred Lilley

UNIT # 21L

DATE 9/4/87

CECOS INTERNATIONAL

Generator ALLIANCE CHEMICAL Work Order 261031

Address AVE P NEWARK N.J. Trailer # 1614

Contact [illegible] Service Type VAN

Manifest _____ Pickup Date & Time 9/4 at 10

Product Code 11524 AH13 Delivery Date & Time 9/5 at 8:30

Quantity 2 drums Delivery Location Cecos NJ NJ

LOADING: Arrival Date & Time 9/4/87 3:30

Departure Date & Time 9/4/87 3:30

SOIL CONT WHH fuel

Additional Information:

With Work Order # 261030

Reason For Delay:

[signature] 9/4/87

CUSTOMER SIGNATURE

UNLOADING: Arrival Date & Time _____

Lab In _____

Lab Out _____

Departure Date & Time _____

Reason For Delay:

SITE SIGNATURE

CHARGES:	Customer		Hours	Broker/Unit		Hours	Driver
Weight		Mileage		$	Mileage		$
Loading		Loading		$	Loading		$
Unloading		Unloading		$	Unloading		$
Overnight		Overnight		$	Overnight		$
Other		Other		$	Other		$
Other		Total Charges		$	Total Charges		$
		Driving Hours			Driving Hours		

Circle: Local Run Non Local

Explanation of "Other Charges"

Start Time: _____

State	Toll Miles	Nontoll Miles
Total		

Speedometer Readings

Ending _____

Start _____

Total _____

Fuel Purchases

Date	# Gallons	State Purchased

Finish Time: _____

DRIVER SIGNATURE

841400113

CECOS
INTERNATIONAL
CHEMICAL AND ENVIRONMENTAL CONSERVATION SYSTEMS

CECOS INTERNATIONAL - BUFFALO
P O BOX 1361
BUFFALO, NY 14240
716-873-4200 OR 716-282-2676

INVOICE NUMBER: N350050467

INVOICE TO: PFISTER CHEMICAL, INC..

LINDEN AVE.
1335 RIDGEFIELD NJ 07657

WORK ORDER #- 261031

SHIP FROM: ALLIANCE CHEMICAL

WEIGH TICKET- 17572

303-327 AVE P.
11564 NEWARK NJ 07105

MANIFEST # -NYA5822334

INVOICE DATE: 9/11/87 SALESMAN: CAMFIELD ORDER DATE: 9/03/87 YOUR ORDER NUMBER: P18666

DATE RECEIVED: 9/08/87 VIA: CECOS INTERNATI F.O.B.: CHARGE

PROD. CODE	DESCRIPTION	NET QUANTITY	UNIT PRICE	AMOUNT
11564-AAB	#J SOIL CONTD W/#4 FUEL OIL	2.00 DR 55	75.00	150.00
11564-AFR	SPOTTING CHARGE (STOP OFF CHARGE)	1.00 DAY	150.00	150.00

300.00

TOTAL AMOUNT DUE

TERMS NET 30 DAYS

CERTIFICATE OF DISPOSAL: THIS IS TO CERTIFY THAT THE WASTE MATERIALS HEREIN INVOICED HAVE BEEN PROPERLY DISPOSED OF IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS.

Past due balance will be assessed 1-1/2% per month.

841400114

A 017572

CECOS INTERNATIONAL, INC./HAZARDOUS WASTE DIVISION

56th ST. & NIAGARA FALLS BLVD., NIAGARA FALLS, N.Y. 14304
Phone: 282-2676

Generator: Alliance Refining

261030
261031

Trucker CECOS 276

Truck # 5

Driver On ☐ Off ☐ Time Date

Gross

Tare 34460

Net 38660

3:40 pm

☐ CASH

☐ CHARGE

☐ WEIGHT ONLY

Commodity—Price—Spec. Info.

Weigher

Driver's Signature

OFFICE

84140115

March 19, 1974

Mr. John W. Kinder
Industrial Liaison
Passaic Valley Sewerage Commissioners
600 Wilson Avenue
Newark, New Jersey 07105

Dear Mr. Kinder:

As you requested, I am enclosing a scale drawing showing sewer discharge point and sampling location and the manhole where the samples were collected.

I hope this will enable you to complete your Industrial Survey Program.

If I can be of any further assistance, please contact me.

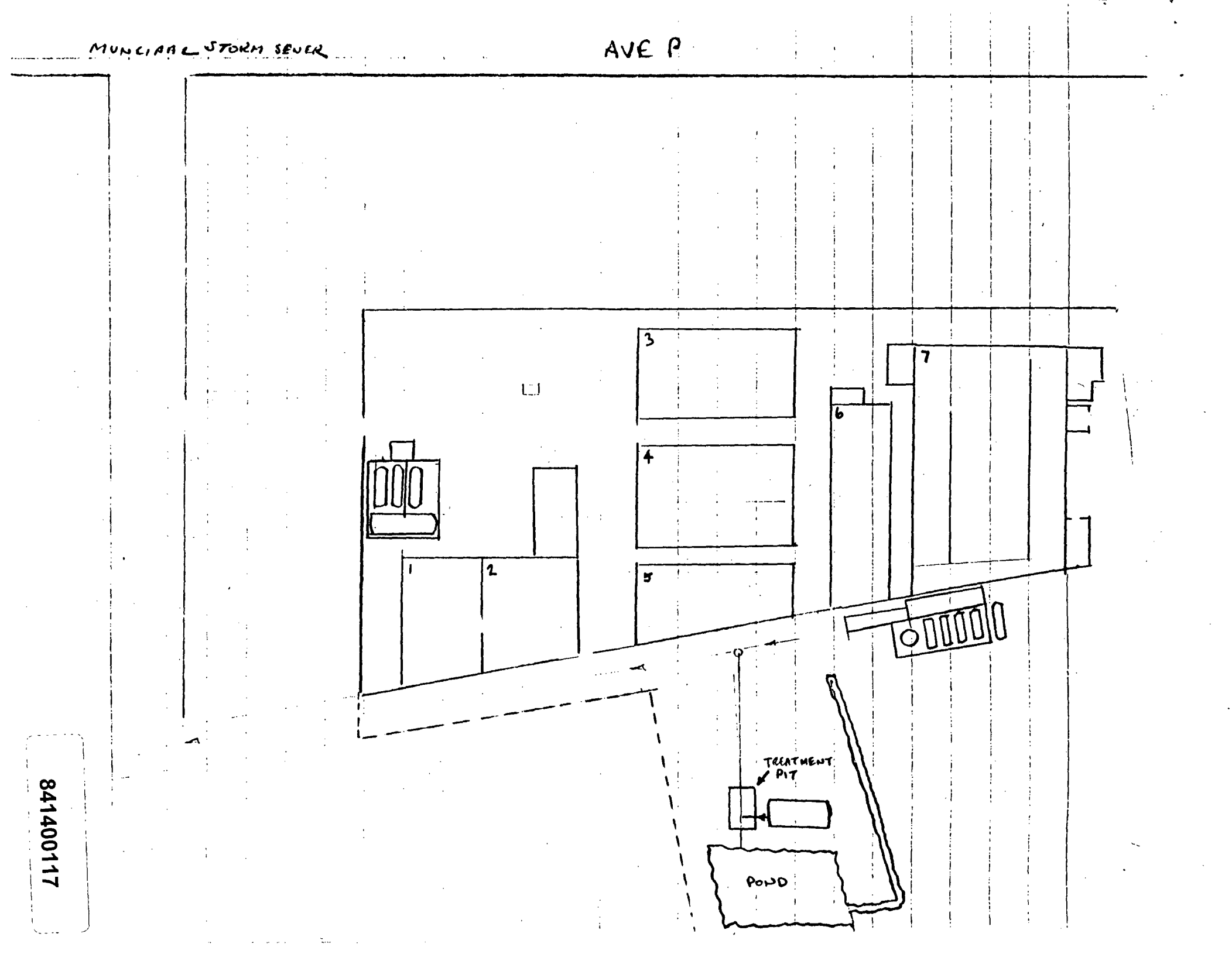
Sincerely,

Nicholas J. DiMenna
Plant Engineer

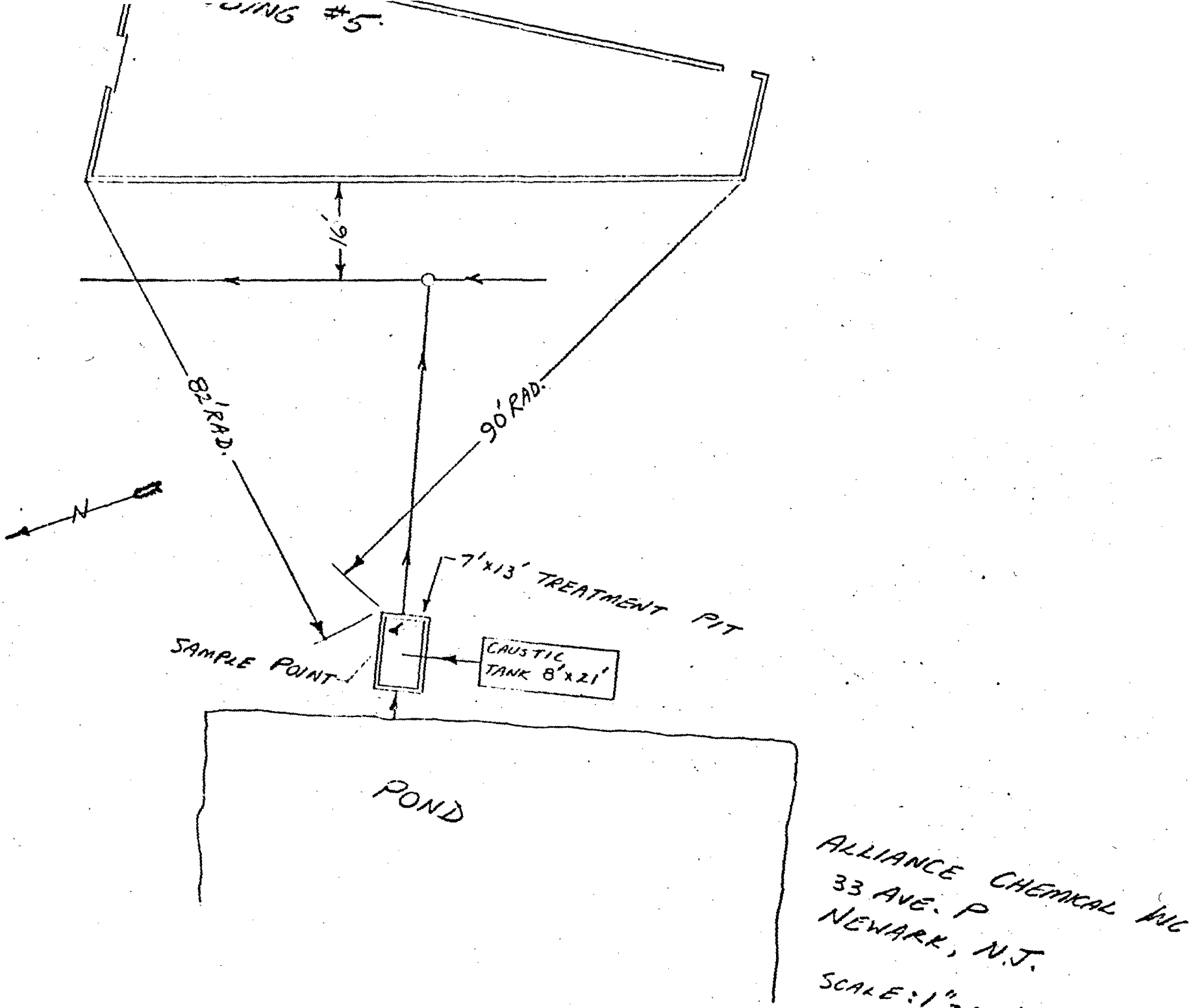
N.J.D./dt
Enclosure

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

cc: R. Leonard ✓



841400117


ING #5.
16'
82' RAD.
90' RAD.
N
7'x13' TREATMENT PIT
SAMPLE POINT
CAUSTIC TANK 8'x21'
POND
ALLIANCE CHEMICAL INC
33 AVE. P
NEWARK, N.J.
SCALE: 1" = 20'

PASSAIC VALLEY SEWERAGE COMMISSIONERS
780 BROAD STREET
NEWARK, N. J. 07102

June 26, 1969

Pfister Chemical, Inc.
Alliance Division
33 Avenue P
Newark, New Jersey 07105

Gentlemen:

This is to inform you that polluting material in the Passaic River has been traced to your plant. The discharge of this material violates New Jersey Statutes on water pollution and you are hereby directed to cease polluting at once.

Please inform the Commissioners by return mail as to what you are doing to halt this pollution and a time schedule indicating when the pollution will be eliminated.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

S. A. Lubetkin

S. A. Lubetkin
Chief Engineer

SAL/kr

Certified Mail

cc: Comms. Gordon and McMahon
Messrs. Andolino, Barcellona,
Cuccinello, and Goldberg

ID
CM

State of New Jersey
Department of Environmental Protection

OFFICE OF THE COMMISSIONER

Return forms to:
INDUSTRIAL SURVEY PROJECT
P.O. BOX 251
TRENTON, NEW JERSEY 08602

SELECTED SUBSTANCE REPORT

PART I – General Plant Information

COMPLETE ONE REPORT FOR EACH PLANT SITE OR FACILITY LOCATION

1. Company Name Alliance Chemical Inc.
2. Division or Plant Name Alliance Chemical Inc.
3. Mailing Address (Street) 33 Avenue P
   (City/Town) Newark County Essex State N.J. Zip Code 07105
4. Plant Location Address (Street) 33 Avenue P
   (If not as above)
   (City/Town) Newark County Essex State N.J. Zip Code 07105
5. Date Plant Began Operations At This Location 1945
6. Person to Contact Regarding this Report W. C. Henning Title Plant Manager
7. Phone Number (Area Code) 201-344-2344
8. SIC Code (Four Digit) 2865 Standard Industrial Classification (if available)
9. Nature of Business Speciality Organic Chemicals
10. Number of Production Employees at this Plant Site 40
11. Does this plant manufacture, process, form, repackage, release, use, dispose of or store any of the selected substances shown on Table I of the enclosed instructions? (Check One) YES [X] NO [ ]

    If your answer to number 11 is "YES", complete the Entire Report for your facility, sign and return.

    If your answer to number 11 is "NO", complete Question 15, sign and return.

I, HEREBY, CERTIFY THAT ALL STATEMENTS MADE BY ME IN THIS REPORT ARE TRUE, COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND THAT ESTIMATES WHERE USED HAVE BEEN MADE IN GOOD FAITH.

NAME (Print) D. P. Turtle Signature D. P. Turtle

Title Process Engineer Date 6/30/90

*12A Sketch (On the reverse side of this page) or attach a copy of a map indicating the exact location of the plant site.

*12B Enter your Dun & Bradstreet number if available. –

FOR OFFICIAL USE ONLY

S
O
N
A

841400120

...EWARK INDUSTRIAL MEADOWLANDS

...ailroads are Conrail

PASSAIC RIVER

N

BLANCHARD ST.

LISTER AVE.

LOCKWOOD ST.

CHAPEL ST.

RAYMOND BLVD.

TO JERSEY CITY

INTERCHANGE 15

ROANOKE AVE.

N.J. STATE HIGHWAY

NEW JERSEY TURNPIKE

AVENUE L

AVENUE P

DOREMUS AVE.

WILSON AVE.

Combustion Equipment Associates' plant here expected to become ...ew fuel producer ...area

Proposed training facility, Newark Police Department

Three companies plan construction of plants totaling over 170,000 sq. ft.

Allied Chemical Inc.

Ideal Toy Corp. to construct additional one million sq. ft. for total of ... million sq. ft.

Proposed 90 acre Industrial Park NY-NJ Port Authority

...ME

...STING
...USTRIES
...HE
...A

- ...enjamin Moore Paints
- ...anley Tool
- ...rmers Market
- ...J. Millwork
- ...uz Construction
- ...andstatter Concrete
- ...rta Mattress
- ...a Food Products
- ...& F Urban Renewal
- ...ca Veal
- ...cle Air Freight
- ...t Authority Truck Term.
- ...glehard Industries

1978 • metro-Newark • 11

841400121

FOR DEP USE ONLY

PART I – General Information (continued)

13. List all of the selected substances included in this report along with their CAS Numbers (From Table I of the instructions) which are manufactured, processed, formed, repackaged, released, used, disposed of or stored at the plant site:

1,2,4 Trichlorobenzene	120-82-1
Zinc ($ZnCl_2$ or Zinc Dust)	7440-66-6
Copper ($CuSO_4 \cdot SH_2O$)	7440-50-8

14. Wastewater Discharges – Complete the following information:

A. Discharge to publicly owned treatment works (POTW):

1. Name of Utility (POTW) Passaic Valley Sewer Authority
   Address/Location 600 Wilson Ave., Newark, N. J. 07105
2. Estimated Average Volume of Wastewater Discharged to POTW in a day
   100,000 gallons.
3. Briefly describe any pretreatment methods
   neutralization
4. Wastewater consists of: (X) Process Water, ( ) Contact Cooling, ( ) Non-Contact Cooling, ( ) Domestic Sewage, (X) Contaminated Storm Water, (X) Washdown Water, (X) Scrubber Water, ( ) Other: _____

B. Discharge to Navigable Waterway or Tributary Stream:

1. Name of Receiving Stream –
2. NPDES Permit Number –
3. Estimated average volume of wastewater discharged to receiving stream in a day
   0 gallons.
4. Briefly describe any treatment methods –
5. Wastewater consists of: ( ) Process Water, ( ) Contact Cooling, ( ) Non-Contact Cooling, ( ) Domestic Sewage, ( ) Contaminated Storm Water, ( ) Washdown Water, ( ) Scrubber Water, ( ) Other: _____

15. Previous disposal practices (1930–1977). Has this plant previously disposed of wastes containing any of the selected substances at any land disposal site (i.e. by land spreading or burial, landfilling, lagoon or seepage pit) either on or off site?

YES ☐ NO ☒

If [illegible]

841400122

State of New Jersey
Department of Environmental Protection

page ____ of ____

ART II

SELECTED SUBSTANCE REPORT

COMPLETE ONE FORM FOR EACH SELECTED SUBSTANCE

FOR DEP USE

Name and Location of Plant
Alliance Chemical Inc., Newark, New Jersey

I.D.

Selected Substance Name: Zinc (as Zn dust or $ZnCl_2$)

CAS #: 7440-66-6

Briefly Describe Its Use On The Site:

Raw material, catalyst and stabilizing agent used in the production of specialty organic chemicals.

	COMPLETE THE FOLLOWING INFORMATION FOR THE PLANT BASED ON 1978 USAGE	ENTER THE ACTUAL OR ESTIMATED AMOUNTS	USE THE REQUESTED UNITS	CHECK ONE: ACTUAL	CHECK ONE: ESTIMATED
QUANTITIES	4. QUANTITY PRODUCED ON SITE	0	lbs/yr.	X	
	5. QUANTITY BROUGHT ONTO SITE	267000	lbs/yr.	X	
	6. QUANTITY CONSUMED ON SITE	0	lbs/yr.	X	
	7. QUANTITY SHIPPED OFF SITE AS (OR IN) PRODUCT	137000	lbs/yr.		X
	8. MAXIMUM INVENTORY	75000	lbs	X	
EMISSIONS	9. TOTAL STACK EMISSIONS OF SELECTED SUBSTANCE	0	lbs/yr.	X	
		0	max lbs/day	X	
	10. TOTAL FUGITIVE EMISSIONS OF SELECTED SUBSTANCE	0	lbs/yr.	X	
		0	max lbs/day	X	
DISCHARGE	11. TOTAL DISCHARGE OF SELECTED SUBSTANCE INTO SURFACE WATER	0	lbs/yr.	X	
		0	max lbs/day	X	
	12. TOTAL DISCHARGE OF SELECTED SUBSTANCE INTO PUBLICLY OWNED TREATMENT WORKS	130000	lbs/yr.		X
		450	max lbs/day		X

3. DISPOSAL OF WASTE CONTAINING THE SELECTED SUBSTANCE

	LOCATION OF FINAL DISPOSAL SITE NAME AND ADDRESS	PHYSICAL STATE TABLE A	DISPOSAL METHOD TABLE B	QUANTITY OF SELECTED SUBSTANCE DISPOSED (lbs)	FOR DEP USE
1.	- None				
2.					
3.					

841400123

Mr Hackett
Harbour Inspector
Army Corps of Engineers

Polution of bay area
Near Archer Daniels

28 Jun 65

pHr 1:20 pm Sat 26 Jun 65 Archer Daniels
75 feet out from shore Tide - Low, rising

28 Jun 65
11:40 am North ditch past Chemline near Celanese Doremus pHr-3

11:35 am At 30" drain - neutral

Revere - neutral above & below

pHr ---- Chemline ditch

pHr 1:30pm Chemline acid storage pit. sample ✓
Tests positive for sulfate ions w/ BaCl2
Odor of creosote

841400124

State of New Jersey
Department of Environmental Protection

page ____ of ____

PART II SELECTED SUBSTANCE REPORT

COMPLETE ONE FORM FOR EACH SELECTED SUBSTANCE

FOR DEP USE

1. Name and Location of Plant
Alliance Chemical Inc., Newark, N.J.

I.D.

2. Selected Substance Name
Copper (as $CuSO_4 \cdot 5H_2O$)

CAS #
7440 - 50 - 8

3. Briefly Describe Its Use On The Site:
Raw material used as a complexing agent in the production of speciality organic chemicals.

	COMPLETE THE FOLLOWING INFORMATION FOR THE PLANT BASED ON 1978 USAGE	ENTER THE ACTUAL OR ESTIMATED AMOUNTS	USE THE REQUESTED UNITS	CHECK ONE: ACTUAL	CHECK ONE: ESTIMATED
THROUGH-PUT QUANTITIES	4. QUANTITY PRODUCED ON SITE	0	lbs/yr.	X	
	5. QUANTITY BROUGHT ONTO SITE	1600	lbs/yr.	X	
	6. QUANTITY CONSUMED ON SITE	0	lbs/yr.	X	
	7. QUANTITY SHIPPED OFF SITE AS (OR IN) PRODUCT	1500	lbs/yr.		X
	8. MAXIMUM INVENTORY	1000	lbs	X	
AIR EMISSIONS	9. TOTAL STACK EMISSIONS OF SELECTED SUBSTANCE	0	lbs/yr.	X	
		0	max lbs/day	X	
	10. TOTAL FUGITIVE EMISSIONS OF SELECTED SUBSTANCE	0	lbs/yr.	X	
		0	max lbs/day	X	
WASTEWATER DISCHARGE	11. TOTAL DISCHARGE OF SELECTED SUBSTANCE INTO SURFACE WATER	0	lbs/yr.	X	
		0	max lbs/day	X	
	12. TOTAL DISCHARGE OF SELECTED SUBSTANCE INTO PUBLICLY OWNED TREATMENT WORKS	100	lbs/yr.		X
		5	max lbs/day		X

13. DISPOSAL OF WASTE CONTAINING THE SELECTED SUBSTANCE

LOCATION OF FINAL DISPOSAL SITE NAME AND ADDRESS	PHYSICAL STATE TABLE A	DISPOSAL METHOD TABLE B	QUANTITY OF SELECTED SUBSTANCE DISPOSED (lbs)	FOR DEP USE
None				
				841400125

State of New Jersey
Department of Environmental Protection

page ____ of ____

PART II

SELECTED SUBSTANCE REPORT

COMPLETE ONE FORM FOR EACH SELECTED SUBSTANCE

FOR DEP USE

1. Name and Location of Plant
Alliance Chemical Inc. Newark, N. J.

I.D.

2. Selected Substance Name
1,2,4 Trichlorobenzene

CAS #
120-82-1

3. Briefly Describe Its Use On The Site:

Raw material used in the production of speciality organic chemicals

	COMPLETE THE FOLLOWING INFORMATION FOR THE PLANT BASED ON 1978 USAGE	ENTER THE ACTUAL OR ESTIMATED AMOUNTS	USE THE REQUESTED UNITS	CHECK ONE: ACTUAL	CHECK ONE: ESTIMATED
QUANTITIES	4. QUANTITY PRODUCED ON SITE	0	lbs/yr.	X	
	5. QUANTITY BROUGHT ONTO SITE	38350	lbs/yr.	X	
	6. QUANTITY CONSUMED ON SITE	38350	lbs/yr.		X
	7. QUANTITY SHIPPED OFF SITE AS (OR IN) PRODUCT	0	lbs/yr.	X	
	8. MAXIMUM INVENTORY	16000	lbs	X	
EMISSIONS	9. TOTAL STACK EMISSIONS OF SELECTED SUBSTANCE	0 Insignificant Amounts	lbs/yr.		X
		0 " "	max lbs/day		X
	10. TOTAL FUGITIVE EMISSIONS OF SELECTED SUBSTANCE	0 " "	lbs/yr.		X
		0 " "	max lbs/day		X
DISCHARGES	11. TOTAL DISCHARGE OF SELECTED SUBSTANCE INTO SURFACE WATER	0	lbs/yr.	X	
		0	max lbs/day	X	
	12. TOTAL DISCHARGE OF SELECTED SUBSTANCE INTO PUBLICLY OWNED TREATMENT WORKS	0 Insignificant Amounts	lbs/yr.		X
		0 " "	max lbs/day		X

4. DISPOSAL OF WASTE CONTAINING THE SELECTED SUBSTANCE

LOCATION OF FINAL DISPOSAL SITE NAME AND ADDRESS	PHYSICAL STATE TABLE A	DISPOSAL METHOD TABLE B	QUANTITY OF SELECTED SUBSTANCE DISPOSED (lbs)	FOR DEP USE
- None				
				841400126

State of New Jersey
Department of Environmental Protection

page ____ of ____

SELECTED SUBSTANCE REPORT

ONE FORM FOR EACH SELECTED SUBSTANCE

FOR DEP USE

Location of Plant
liance Chemical Inc., Newark, New Jersey

I.D.

Substance Name
nc (as Zn dust or $ZnCl_2$)

CAS #
7440-66-6

escribe Its Use On The Site:
Raw material, catalyst and stabilizing agent used in the production of specialty organic chemicals.

TE THE FOLLOWING INFORMATION E PLANT BASED ON 1978 USAGE	ENTER THE ACTUAL OR ESTIMATED AMOUNTS	USE THE REQUESTED UNITS	CHECK ONE: ACTUAL	CHECK ONE: ESTIMATED
ANTITY PRODUCED ON SITE	0	lbs/yr.	X	
ANTITY BROUGHT ONTO SITE	267000	lbs/yr.	X	
ANTITY CONSUMED ON SITE	0	lbs/yr.	X	
ANTITY SHIPPED OFF SITE (OR IN) PRODUCT	137000	lbs/yr.		X
AXIMUM I IVENTORY	75000	lbs	X	
TAL STACK EMISSIONS OF ECTED SUBSTANCE	0	lbs/yr.	X	
	0	max lbs/day	X	
TAL FUGITIVE EMISSIONS OF ECTED SUBSTANCE	0	lbs/yr.	X	
	0	max lbs/day	X	
TAL DISCHARGE OF SELECTED STANCE INTO SURFACE WATER	0	lbs/yr.	X	
	0	max lbs/day	X	
TAL DISCHARGE OF SELECTED STANCE INTO PUBLICLY OWNED EATMENT WORKS	130000	lbs/yr.		X
	450	max lbs/day		X

AL OF WASTE CONTAINING THE SELECTED SUBSTANCE

OCATION OF FINAL DISPOSAL SITE AME AND ADDRESS	PHYSICAL STATE TABLE A	DISPOSAL METHOD TABLE B	QUANTITY OF SELECTED SUBSTANCE DISPOSED (lbs)	FOR DEP USE
None				
				841400127

Mr Hackett
Harbour Inspector
Army Corps of Engineers

Polution of bay area
Near Archer Daniels

V8 Jun 65

pH v 1:20 pm Sat V6 Jun 65 Archer Daniels
75 feet out from shore Tide - Low, rising

V8 Jun 65
11:40 am North ditch past Chemline near Celanese Doremus pH v-3

11:35 am At 30" drain - neutral

Revere - neutral above & below

pH v ---- Chemline ditch

pH v 1:30pm Chemline acid storage pit. sample ✓

Tests positive for Sulfate ions w/ BaCl2

Odor of creosote

841400128

TO: George Shulman DATE: August 5, 1968

FROM: C. P. Motta

SUBJECT: Alliance Plant Effluent

For the past six months, the Alliance plant has had increasing disruption of production because of inundation from the drainage stream. The areas effected are: Bldg. 5, drying; Bldg. 4, first floor production; Bldg. 6, downstairs office, foreman locker room, and hourly employees lunch room; and front yard, shipping and receiving.

1. Investigation of flooding indicates the following causes:

   1.1 Tide gate in Passaic River missing, or completely inoperative, and metal pipe corroded to the extent that a new tide gate, at this location, would not function properly, causing flooding during high tides and heavy rains.

   1.2 Hydraulic dirt movements, by the turnpike, caused abnormal flows of water into the same drainage stream being used by Alliance. Because of the problem stated in (1), periodic flooding occurred.

   1.3 As recently as July 10 thru July 18, flooding was continuously bad, and not until the Mosquito Commission was forced to bring in their shovel and dig debris from the drainage stream behind Revere Smelting, did the stream flow freely. This is the same area that required digging two years ago. This debris is not indigenous to Alliance, but is to the surrounding dumps. It is possible, however, that the suspended solids discharged from Alliance could add to the other debris at this location, thus adding to the obstruction.

2. The following information was obtained during our attempts to alleviate the stream blockage:

   2.1 Mr. Amabile, Director, Essex County Mosquito Commission. The Urban Renewal Project is moving ahead with its program to make land available for industry and, starting July 15, 1968, drainage streams, South of Alliance, are being dug and directed to our drainage ditch, which will all feed through one discharge pipe leading under Doremus Avenue to the Passaic River and through the tide gate as indicated in 1.1. According to Mr. Amabile, due to the inoperative tide gate, plans for a new tide gate East of Doremus Avenue, in the drainage ditch, are under study and consideration.

   2.2 Louis LaFera, contractor working on Avenue P, has indicated that an industrial sewer is already in Avenue P and storm sewers will be in shortly. By contacting Mr. Van Riper, City Engineer, Bureau of Sewerage, we can seek permission to tie into the Newark Sewerage System.

2.3 Mr. Berkowitz, of American Fat Rendering Plant behind Alliance, has incurred considerable losses because of the flooding condition. He is currently not hostile toward us, but was when he associated the color of the water flooding his plant to the color of the water in Alliance's acid pond. He has seen the problems as stated and now feels that we have a common problem. Mr. Berkowitz is starting litigation to recover his losses. from who?

Observations:

For the past several years, Alliance has had to account to the Harbor Commission, Passaic Valley Sewerage Commission, City and State, and Air and Water Pollution Authorities for the color, pH, and odors of the drainage stream. Our present method of handling our acidic waste and color is inadequate and would not serve as a convincing method of neutralization of plant waste water.

It has also become apparant that the Mosquito Commission has not been caring for the drainage stream as in years past. They formerly cleared the stream every two years and serviced their "in stream" flood gates.

All agencies, listed above, are cognizant of Alliance's plant effluent discharged into the drainage stream and have been procrastinating, for the past several years, from applying any real pressure to Alliance. Other companies, feeding effluent to the same stream, have had pressure applied. A.D.M. Chemlime, Celanese and, to some extent, Revere Smelting, have had to make some changes in their effluent discharges. Alliance built an acid pond. It is very difficult, however, to mask our continuous "red color" water that comes from our plant.

Sun Chemical has purchased the property adjacent to Alliance and the dumps behind Alliance and, from what I understand, plan to build a phthalocyanine blue unit.

3. I recommend the formation of:

3.1 In-plant pollution control committee. { in the inside heavens

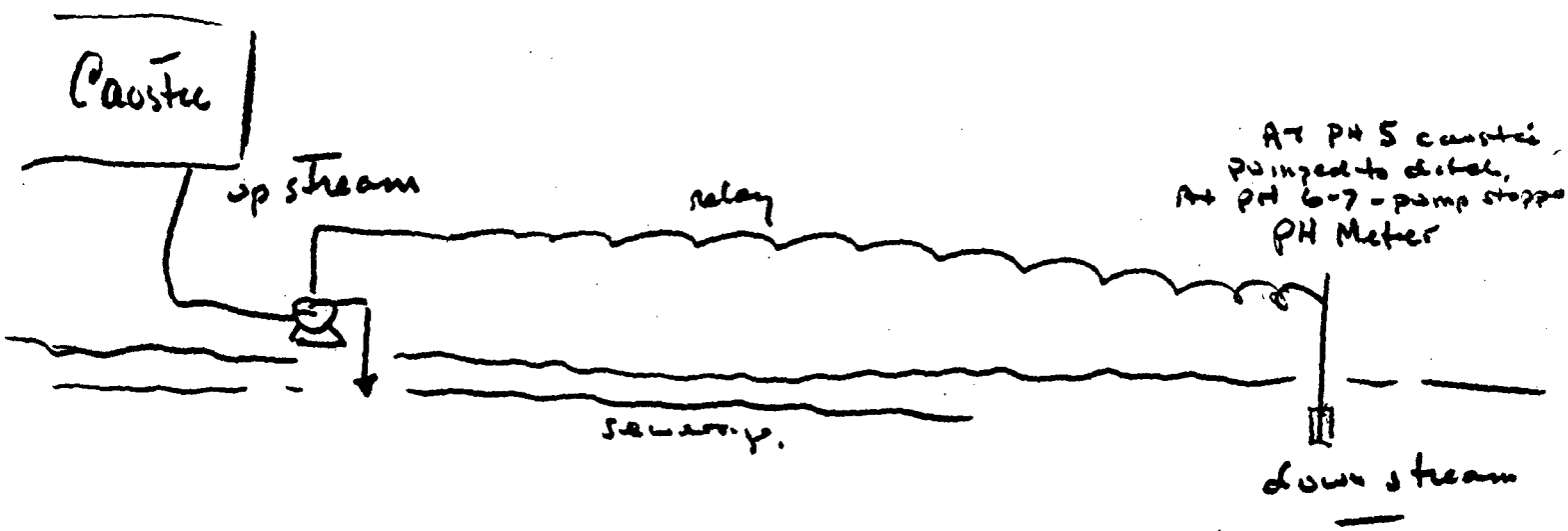
3.2 Flow measurement information by the use of a Weir.

3.3 Samplings of waste water to provide needed information.

3.4 Prepare a study of the best system for waste water neutralization from current information, keeping in mind Sun Chemical's expansion plans and our final goal of connecting into industrial sewers and becoming isolated from flooding of the drainage ditch.

I suggest that we start action now toward a complete plant effluent neutralization system that will ultimately connect into the city industrial sewerage. An immediate temporary neutralization system should

be contemplated or provided to plant effluent now feeding the stream to preclude any confrontations with pollution authorities. It is my feeling that our effluent will be under scrutiny as soon as the Urban Renewal Project gets under way and a new tide gate is constructed. Also, we could be the subject of repercussion if and when American Refining litigation begins.


Caustic
up stream
relay
At PH 5 caustic
pumped to distal,
At PH 6-7 - pump stops
PH Meter
down stream

CPH 1/20/66 WCK 21 Jan 66

January 20, 1966

F. R. Ulrich, Major, Military Police Corps
Assistant Supervisor of New York Harbor
Corps of Engineers, U. S. Army
111 East 16th Street
New York, New York 10003

Dear Major Ulrich:

References NANSL - Case No. 65-294

This will acknowledge your letter of 11 January 1966 and provide you with a remedy report. We appreciate your bringing this situation to our attention, and want you to know that both your investigations did, in fact, receive our careful and complete attention.

The June 1965 event was traced to a leak in a pit wall. Normal subsequent repair work failed to convince us that we had effected a long-term repair, and so to fully remedy this situation, a new enlarged acid collection system has been constructed and is now in service. We would not expect any repetition of the 28 June 1965 events.

The acidic materials disclosed in your December 1965 inspection were traced to a malfunctioning collection pump. This was restored to service promptly. New inspection and maintenance schedules were instituted and careful follow-up has indicated that the collection system is performing satisfactorily.

CM & CPH NOTE WELL AND DO EVERYTHING TO KEEP IT WORKING!

We welcome a re-inspection and look forward to your inspector's next visit, so that we may show him our facility properly operating.

.....continued.....

Meantime, Major Ulrich, please be assured that you and your department will have our fullest cooperation and know that we understand the need to prevent pollution of New York Harbor waters.

Sincerely,

ALLIANCE COLOR AND CHEMICAL CO.

Frank W. May
General Manager

FWMiao

CORPS OF ENGINEERS, U. S. ARMY
SUPERVISOR OF NEW YORK HARBOR
111 EAST 16TH STREET
NEW YORK, N. Y. 10003

IN REPLY REFER TO

NANSL
Case No. 65-294

11 January 1966

Alliance Color & Chemical Company
33 Avenue P
Newark, New Jersey

Gentlemen:

The Supervisor of New York Harbor is charged by the Congress of the United States with the responsibility of preventing obstruction or pollution of the navigable waters of New York Harbor or its tributaries.

On several occasions, commencing on 26 June 1965, and subsequent to that date, a discoloration has been observed in the tidal waters of Newark Bay adjacent to the Archer Daniels Midland Company's bulkhead located at 400 Doremus Avenue, Newark, New Jersey. Samples of the discolored tidal waters were obtained on each occasion and when tested disclosed they contained an acidic content with a pH factor in excess of allowable tolerance. Investigations disclosed that the materials, classified as a pollutant and a contravention of Federal Statutes (U.S.C. Title 33, Section 407), were discharging from a flume in the bulkhead of aforementioned property. The flume was covered by a flapper type covering which operated on an inshore to outfall velocity flow pressure principle. Continuation of the investigation disclosed that at least a portion of the pollutant originated at your facility and had been deposited into an earthen ditch, maintained as a mosquito control ditch by the Essex County Mosquito Extermination Commission, which traverses various other company owned properties and deposits its contents into aforementioned

flume. Samples obtained on 28 June 1965 from your plant facilities and immediately adjacent thereto, were analysed by the United States Customs Laboratory. The analysis report received indicates compatability as to content between the materials found in the tidal waters of Newark Bay and those stored and discharged from your facilities.

During our most recent inspection, conducted on 7 December 1965, acidic liquefied materials were again detected being deposited from the same flume into Newark Bay. Samples obtained from the terminus of the flume, at various locales along the mosquito control ditch and in the immediate vicinity of your plant facilities, when tested, all recorded a high acidic content. While inspecting the area three clay pipes, discharging liquid, were observed on your property. Samples of discharge from ~~each~~ of these pipes were obtained and when tested disclosed they all contained a prohibited acidic content.

Under the provisions of Federal Statutes (U.S.C. Title 33, Section 407), it is unlawful to deposit, or cause, or permit to be deposited, material of any kind in any place where the material shall be liable to be carried to and deposited in any navigable water of the United States. Violators of this Statute are liable to prosecution.

Mr. Charles P. Motta, your Plant Superintendent, was contacted on 28 June and 7 December 1965 and informed of the violations herein cited.

Immediate steps should be taken to insure no prohibited materials, of any kind, are deposited at any place, where such materials may be deposited in Newark Bay.

NANSL
Case No. 65-294
Alliance Color & Chemical Co.

11 January 1966

A reinspection will be conducted to insure compliance with cited Federal Statute.

Very truly yours,

F. R. ULRICH
Major, Military Police Corps
Assistant Supervisor of
New York Harbor